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Description	
Phase 1	
-	Survey Facility
-	Mechanical and Utilities Assessment
-	Feasibility Assessment Consultation
-	Engineering Design Drawings/Plans
-	Permitting
Phase 2	
-	Award announcement
-	Advertise Bids
-	Award Contract
-	Securing Materials
-	Construction
-	Reimbursement
-	Final Inspection
-	Project Close Out
3 Months	
2 Months	
2 Months	
9 Months	
6 Months	
2 Months	
2 Months	
2 Months	

[illegible]

WEST VIRGINIA SUB-RECIPIENT APPLICATION HAZARD MITIGATION GRANT PROGRAM

STATE OF WEST VIRGINIA HM SUB-GRANT APPLICATION PRE-CHECK
INITIAL EACH PERTANENT LINE ITEM TO INDICATE IT IS INCLUDED

PROJECT NAME:

State EOC Hardening / Shelter

PROJECT BUDGET:

\$5,000,000.00

Private Property Demolition Removal (Participation Packet)

X

COMPLETED HM GRANT APPLICATION

COMMITMENT LETTER OF 25% MATCH (if non-federal share is not available. Check with

X

the State for this item)

PROJECT TYPES

MITIGATION RECONSTRUCTION (Demo/Rebuild)

Design to International Building Code 2009 or later.

Floodplain, State and Local Ordinances.

Elevation Certificate

Construction Drawings (preliminary)

Maps and photographs of project sites

• Benefit Cost Analyst (Mitigation Reconstruction Cost Higher Than \$175,000.)

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

ELEVATION (Structurally Sound)

Elevation Certificate

Maps and photographs of project sites

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

ACQUISITION/DEMOLITION (in the flood way)

Maps And Photographs Of Project Site(s)

Complete home owner packet: Property Inventory Form, HM Voluntary

Participation Agreement, Assignment of Coverage - D, Increased Cost of

Compliance Coverage/NFIP and WV Hazardous Materials Property Survey

Submit the Original Mitigation Application and an Electronic Copy

11. State Congressional District:		12. Federal Congressional District:		13. Is the recipient of funds a private non-profit organization? Provided 501 (c)(3)		14. Does the community participate in the NFIP?		15. If yes, what date did they enter the NFIP?		16. If no, when do you anticipate entering the NFIP?		17. Is the community in good standing with the NFIP?		18. Does your community have an approved mitigation plan?		19. Mitigation Plan Name:		20. Mitigation Plan Expiration Date:									
1,2,3		1,2,3		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		2/9/1971				Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		2013 WV Statewide Standard Hazard Mitigation Plan Update		10/17/2018									
1. Project Title: WVDHSEM EOC Hardening / Shelter Application FEMA Identifier: FEMA-4273-DR-WV																											
2. Project Type:		Elevation:		Mitigation Reconstruction:		Local Plan:		Generator:		Other:		3. State: WV		4. County:		5. Community:		6. FIPS Code:		7. DUNS Number:		8. Tax ID Number:		9. Community ID #:		10. State Legislative District:	

Part 1: Applicant Data:

Standard HMGP		Planning / Technical Assistance		Application Complete	
Initial Submission		Resubmission			
5% Initiative					
Conforms with State Plan		Applicant Type:		Project Type(s):	
In Designated Area		State or Local Government		Flood	
Statewide		Private Non-Profit (Tax ID Received)		Wind	
NFIP Participant		Indian Tribe or Tribal Organization		Other	
In Good Standing				Seismic	
NFIP Status:				Landslide	
State Application ID:		Application received on:		Date:	
SHMO Receiving Signature:		Date:		Date:	
State Reviewer:		Date:		Date:	
Reviewer Phone:		Date:		Date:	
Reviewer FAX:		Date:		Date:	

THIS SECTION FOR STATE USE ONLY

Part 2: Contact Information:

21. Primary Point of Contact:

Name:	Brian Penix
Organization:	WVDHSEM
Address:	1746 Coonskin Dr.
	Charleston, WV 25311
Email:	brian.m.penix@wv.gov
FAX:	
Telephone:	304-957-2572
Job Title:	SHMO
Nickname:	

22. Alternate Point of Contact:

Name:	Jimmy Gianato
Organization:	WVDHSEM
Address:	Capitol Complex Building 1
	1900 Kanawha Blvd. E.
	Charleston, WV 25302
Email:	jimmy.j.gianato@wv.gov
FAX:	
Telephone:	304-558-5380
Job Title:	Director, WVDHSEM
Nickname:	

23. Application Preparer

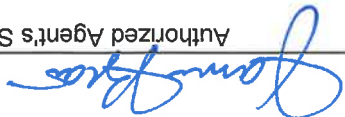
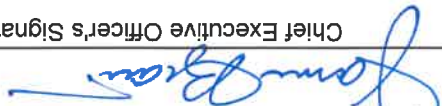
Name:	
Organization:	
Address:	
Telephone:	
FAX:	
Email:	

24. Directions and Physical Address to the

applicant office:

Take I-64 to Greenbrier Street North. Continue onto WV-114 N/Greenbrier Street. Turn left onto Coonskin Drive. I.D. is required for entry to the National Guard. Once past the guard station, continue on Coonskin Dr. to 1746 on the right.

Part 2a: Authorized Signatures:
The Authorized Agent and Chief Executive Officer (NOT the application preparer) MUST sign this for the application to be valid.

I certify that I am the Authorized Agent for the applicant having purview over the development and completion of this application, and all statements and information contained herein are true and accurate.	
Authorized Agent's Signature 	Jimmy Gianato Name (Typed or printed)
Chief Executive Officer's Signature 	Jimmy Gianato Name (Typed or printed)
Date 3/12/18	Director, WVDHSEM Title
Date 3/12/18	Director, WVDHSEM Title

Before submitting this application, ensure you have provided all requested information. An incomplete application may result in an unfavorable evaluation, or delay grant funding.

Part 3: Assurances:
If the project is funded, the applicant must adopt an ordinance or other policy that demonstrates the community shall comply with the following (applicant, not applicant preparer, **MUST** initial each item.)

The applicant **MUST** designate an Authorized Agent for the Project.

All participants **MUST** sign a statement acknowledging the program is voluntary and, therefore, are not entitled to relocation assistance under URA.

Each potential property owner **MUST** be notified in writing that, for the purpose of this program, the community shall not use its power of eminent domain for any properties if a voluntary agreement is not reached.

The following restrictive covenants shall be conveyed in the deed to any property acquired:

The property shall be dedicated and maintained in perpetuity for uses compatible with open space, recreational or wetlands management practices; and no new structure(s) shall be built on the property as indicated below:

A public restroom; or

A structure that is compatible with open space, recreational or wetlands management usage and proper floodplain management policies and practices, which the Regional Administrator approves in writing before the construction begins. The premises shall remain in public ownership. After completion of the project, no application for additional disaster assistance shall be made for any purpose with respect to the property to any Federal entity or source, and no Federal entity or source will provide such assistance.

In general, allowable open space, recreational and wetlands management uses include parks for outdoor recreational activities, nature reserves, cultivation, grazing, camping (except where adequate warning time is not available to allow evacuation), temporary storage in the open of wheeled vehicles which are easily movable (except mobile homes), unimproved, previous parking lots, and buffer zones. In either event, any open space plans **MUST** have written approval from both FEMA **AND** the State.

Any structure built on the property according to the above stipulations, shall be flood-proofed or elevated to the ordinance freeboard. If the community lacks freeboard, then a minimum of the Base Flood Elevation plus two feet of freeboard is required.

A public meeting **MUST** be conducted to explain project policy and procedures.

Priority of mitigation reconstruction, elevation, relocation or acquisition of properties **MUST** be established in writing and publicized upon approval of the grant.

A standard policy of appraisal will be established for fair market value (FMV). Based on this appraisal, owners will be offered a FMV less any duplication of benefits as identified by FEMA.

In the event that the appraisal less duplication of benefits is a negative figure or less than the land only value, and the property owner still desires to sell the property in an acquisition project, the property owner will be offered the FMV of the land only (not the structure). However, the community will take deed to both the structure and land.

If subject property was purchased after the flood/event on an "as is" basis, the amount of the new post flood owner paid for the property plus any verifiable improvements will be the FMV offered. The post flood property owner will not be offered the pre-flood FMV if they were not the property owner during / before the event. In addition, any benefits the previous owner received for repair of the property will not be deducted from the offer. In no event will the offer to the post-flood owner exceed the pre-flood FMV.

Any tenants renting properties 90 days prior to the start of negotiations with the owner will be offered relocation assistance. Renter relocation assistance is formula driven but in no event will the relocation payment exceed \$7,200.00 plus actual moving expense.

Each property closing will be proceeded by a title search. The title **MUST** be clear of all liens before the community will take title to the property.

The property owner will agree to satisfy all liens or have the lien amount deducted from the purchase offer at the time of closing.

Current property owners will be responsible for the property taxes from the first of the tax year through the date specified by the community buyout policy. (e.g. either the date of closing or the date of the event) on a pro-rated basis.

Until the title is transferred, the property owner remains solely responsible for the property.

The community **WILL** submit to WVDHSEM copies of their Single Audit Act Report for the year in which the grant was received, and for each subsequent year that the community receives funding under this grant.

In the event that applicant fails to expend or is over advanced Federal and / or State disaster funds in accordance with Federal or State disaster assistance laws or programs, the Governor's Authorized Representative reserves the right to recapture funds in accordance with Federal or State laws and requirements.

The applicant will not enter into a contract with a contractor who is on the debarred contractors list.

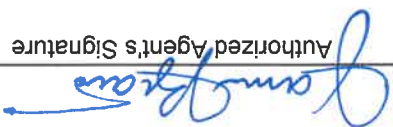
The applicant will prohibit any employee, governing body, contractor, subcontractor or organization from participating in or presenting the appearance of a conflict of interest or kickbacks.

Budgeted line items **MUST NOT** be exceeded without prior written approval of the State **AND** FEMA. Any over-runs of budgeted items without authorization becomes the responsibility of the applicant. Failure to submit written requests for over-runs constitutes grounds for recapture of grant funds for non-performance.

Both the State and FEMA reserves the right to recapture funds for non-performance of the stipulations of the grant including any open space requirements in perpetuity or other maintenance requirements.

The applicant **MUST** agree to a drug free work environment and that no project funds will be used for lobbying. (Attach the corresponding assurances as part of this application).

Any changes to the scope of this grant **MUST** have the written approval of both FEMA **AND** the State. This includes changes to the budget, the participant list and timeline. Failure to submit written requests for changes in scope constitutes grounds for recapture of funds for non-performance.

Should our community be awarded FEMA funds to implement a mitigation project, we agree to the stipulations outlined above as conditions of receiving funds and implementing said project.	
Authorized Agent's Signature 	Date 3/12/18
Jimmy Gianato Director, WVDHSEM	Name (Printed or typed) Title

Authorized Agent Agreement:

Part 4: Project Location:
Describe, in detail, the location of your community's project. Include its topography and attach map(s) indicating all
The project is located on the West Virginia National Guard building 1703 which follows the same directions as above for
Coonskin Drive but located directly across the street.

Part 5: Explanation of the Problem / Event:

27. Describe in detail the event precipitating the need for this project and its effects on the community.

The State Emergency Operations Center (EOC) is currently located in the basement of the capitol complex building one. The capitol has been identified as being in the Special Flood Hazard Area (SFHA) for the Kanawha River. It further cannot support operations due to limitations in spacing as well as being vulnerable to both weather and human caused disasters. Structural Retrofitting of the existing structure for emergency management responders and officials and community leaders to assess the needs of their respective communities and determine the best ways to organize and strengthen their community's assets, capacities, and interests before, during and after a catastrophic event. This Hazard Mitigation project will include modifications to the structural elements of a building to reduce or eliminate the risk of future damage and to protect inhabitants. The structural elements of a building that are essential to protect or to prevent damage include foundations, load-bearing walls, beams, columns, building envelope, structural floors and roofs, and the connections between these elements.

EOC designed and construction will be to FEMA 361/ Standards if it is to be used as a shelter to house Emergency First Responders that cannot evacuate, and that must stay behind, during natural hazard events will be safely housed at the EOC pre and post event. The engineering assessment from roof to foundation will provide data and recommendation for the feasibility of the mitigation project upgrades.

The envelope of the structure will be upgraded which includes reinforcing the roof, hardening of walls, upgrade and retrofit the windows to protect against winds, be fire resistant and water tight doors. Upgrade of EOC utilities, backup generator, communication equipment, essentials to provide emergency services pre/post event.

Hardening of the exterior walls is as follows, grout filled cement block with exterior stone facade. Some windows are level 4 ballistic and the bottom height of all windows is a minimum of 4' from the floor providing protection if the windows are compromised by gunfire. Interior passage way doors are all prison grade with mag locks. Interior glass is all security glass. All Doors are alarmed and monitored. 360° camera view including roof and selected interior areas. Electric power is backed up with # of generators which run independently and are capable of providing power individually. All mission critical equipment is located on elevated flooring with straps and alarms under the floor to detect moisture.

Part 6: Solutions to the Problem:

28. Proposed Activity:

EOC Hardening / Shelter

Describe in detail the proposed project activity.

--How will your proposed project address a repetitive problem, or one that poses a significant risk to public health and safety?

--Upon completion, how will the proposed project reduce the potential for future damages?

--Does the proposed project solve the problem independently, or in conjunction with other solutions? Please explain.

--Specify the number of properties / structures and the number of people that will be protected with the proposed project.

--Calculate the estimated cost, including the present cost of implementation and the future maintenance of the acquired property, as well as the potential future losses from natural disasters.

The current EOC is located in the SFHA in the basement of the main capitol building. It is susceptible to flooding, human terror incidents and access impediments. It further is not hardened for any conditions including weather events and human caused incidents. Upon completion, the new EOC will be capable of withstanding the forces of nature, man made events and will also become a shelter for the first responders should such a situation arise. The hardening will be both interior and exterior and be self sufficient in both communications and utility systems.

Describe in detail another mitigation measure (e.g., elevation, wet or dry flood proofing, detention ponds, drainage ditches, etc.) that is a feasible alternative solution to the problem described.

--How will the mitigation measure solve the problem described?

--Explain how it is effective in addressing a recurrent or repetitive problem.

--Calculate the estimated cost, including the present cost of implementation and the future maintenance of the acquired property, as well as the potential future losses from natural disasters.

Constructing a new EOC would have the same hardening effects as retrofitting an existing structure but would be cost prohibitive. The State would be required to acquire land, construct the structure in accordance to FEMA 361 and provide the redundant systems described above. It would further have to ensure both structural safety from flood, wind, earthquake and human caused incidents. The addition of the land as well as the construction of the entire structure would have to be undertaken.

29. Alternative 1: Construct a new EOC

Alternative 2 Cost	\$0.00	Potential Losses (Benefits)	\$0.00
--------------------	--------	-----------------------------	--------

30. Alternative 2: **No Action**

Describe in detail the effects that no action would have on the problem described.

--Explain the present and future effects of doing nothing to solve the problem.

--Identify the estimated present and future costs and losses of doing nothing.

Taking no action would mean the citizens of West Virginia would still be at risk when catastrophic disasters struck.

Part 7: Projected Source Funds:

- 38. Federal Share
- 39. State Share
- 40. In Kind Service
- 41. Other Source

\$3,750,000
\$0
\$0
\$1,250,000

Percent	75.00%
Percent	
Percent	
Percent	25.00%
Other is CDBG-DR	

Source	FEDERAL
Source	STATE
Source	COMMUNITY
Source	OTHER

Part 8: Estimated Budget (Non-MT Reconstruction and Other):

Special care needs to be taken when estimating the project budget to ensure that the community doesn't under-estimate. An under-estimated budget can lead to a cost over-run which could result in delays and even cancellation of the grant due to non-performance. If in doubt, estimate high.

NOTE: SUBMIT YOUR BUDGET WORKSHEET JOB AID WITH THIS APPLICATION!

Phase I:

A. Design Facility (Phase I)	\$145,000
B. Architectural Services (Phase I)	\$55,000
C. Structural Engineering and Design (Phase I)	\$17,000
D. Mechanical and Utility Design (Phase I)	\$22,000
E. Feasibility assessment consultation	\$20,000
Sub-Total	\$259,000

Phase II:

F. Estimated Construction upgrade Cost [Phase II]	\$3,000,000
G. Estimated Roof and Structural upgrades	\$750,000
H. Site work preparation/mobilization/Demobilization	\$50,000
Sub-Total	\$3,800,000

Generators / Independent Water

I. Emergency Generators	\$325,000
J. Independent Water Supply	\$308,000
K. Independent Waste Water	\$308,000
L.	\$0
Sub-Total	\$941,000

Project Management:

M.	\$0
N.	\$0
O.	\$0
P.	\$0
Q.	\$0
R.	\$0
S. Travel Fees	\$0
T. Office Supplies / Equipment Fees	\$0
U. Phone Fees	\$0
W. Project Manager Fees	\$0
X. Time and Attendance Fees	\$0
Y. Other Project Management Fees (Give Details)	\$0
Sub-total	\$0

Other Project Expenses (Give Details):

AA.	\$0
BB.	\$0
CC.	\$0
DD.	\$0
Sub-total	\$0
GRAND TOTAL	\$5,000,000

Part 8a: Estimated Budget (MT Reconstruction ONLY):

Special care needs to be taken into account for Mitigation Reconstruction funding. Line items are for the major items found in a reconstruction. INCLUDE THE MITIGATION RECONSTRUCTION WORKSHEET WITH YOUR APPLICATION!

NOTE: SUBMIT YOUR BUDGET WORKSHEET JOB AID WITH THIS APPLICATION!

39. Project Scoping:

\$0	A. Property Verification (Legal)
\$0	B. Preliminary Elevation Determination
\$0	C. Environmental Site Assessment Phase
\$0	D. Engineering Feasibility Study (e.g., Can an existing structure be elevated? Is mitigation reconstruction feasible?)
\$0	E. Benefit-Cost Analysis
\$0	F. Title Search
Sub-Total	
\$0	

40. Pre-construction Activities:

\$0	G. Site Survey
\$0	H. EHP Testing / Analysis
\$0	I. Permitting
\$0	J. Architectural Design and Plan Development
\$0	K. Architectural Plan Review
Sub-Total	
\$0	

41. Construction Activities Exterior:

\$0	L. Disposal of routine asbestos, lead-based paint, and household
\$0	M. EHP mitigation
\$0	N. Demolition NOT covered by 407 Mitigation
\$0	O. Erosion control / grading / drainage
\$0	P. Utility Connections
\$0	Q. Site Stabilization (e.g., Seeding)
\$0	R. Walkways and Driveways
\$0	S. Elevated Foundation Construction
\$0	T. Inspection of Foundation System
\$0	U. Framing
\$0	V. Exterior Doors
\$0	W. Windows (includes protection)
\$0	X. Access / Egress
\$0	Y. Exterior Cladding
\$0	Z. Roofing
Sub-Total	
\$0	

42. Construction Activities Interior:

\$0	AA. Drywall
\$0	AB. Trim
\$0	AC. Painting
\$0	AD. Interior Doors
\$0	AE. Insulation
\$0	AF. Interior Partitioning
Sub-total	
\$0	

43. Construction Activities Utility Equipment:

\$0	AG. Heating, Ventilation, and Air Conditioning
\$0	AH. Plumbing
\$0	AI. Electrical
\$0	AJ. Hot Water System
Sub-total	
\$0	

44. Construction Activities Fixtures:	
AK. Sinks / Toilets / Showers	\$0
AL. Lighting	\$0
AM. Cabinets and Countertops	\$0
AN. Flooring	\$0
Sub-total	
	\$0
45. Construction Finalization and Certification:	
AO. Building Inspections	\$0
AP. Certificate of Occupancy	\$0
AQ. Final Elevation Certificate	\$0
AR. Tenant Displacement Costs	\$0
AS. Recorded Final Deed Restriction Costs (Legal)	\$0
Sub-total	
	\$0
GRAND TOTAL	
	\$0

42. The work schedule sets the performance period for the project. The maximum time allowed for mitigation projects is 3 years (1095 Days). If the community under-estimates the project time, delays can occur while extension requests are processed. Furthermore, extensions can only be granted in 90 day increments a total of two times. Care should be taken when estimating times. Take into account time of year (weather factor) when estimating.

42. The work schedule sets the performance period for the project. The maximum time allowed for mitigation projects is 3 years (1095 Days). If the community under-estimates the project time, delays can occur while extension requests are processed. Furthermore, extensions can only be granted in 90 day increments a total of two times. Care should be taken when estimating times. Take into account time of year (weather factor) when estimating.

Part 10: Property Inventory Summary:

43. List all the properties, in alphabetical order, to be considered in this application. Properties that are to be considered "over subscription" MUST be marked as such. Properties not on this inventory will not be considered for this project. Ensure that the sequence number matches the property site inventories and that all the inventories are accounted for. This number will be used later in the project to identify the structure.

[illegible]

44. List all renters that qualify for the Uniform Relocation Assistance Act (URA) funding here. To qualify for URA, a renter must have occupied the property 90 days prior to negotiations (closing). Occupation at the time of the event does NOT qualify a tenant for URA if they have moved because of the event.

[illegible]

Part 12: Environmental, Historical and Socioeconomic Information:

45. For each Hazard Mitigation alternative your community is considering, answer "Yes", "No", "Possibly" or "Don't Know" to each question. Then compare the columns. The column with the most "No" answers is the most community-friendly alternative.

Proposed Activity	Alternative	No Action
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Socioeconomic and Land Use Issues

46. Will the project hinder or violate general land use in the area?	No	Possibly	No
47. Will the project conflict with local zoning ordinances?	No	No	No
48. Will any structures be relocated?	No	No	No
49. Will the project negatively affect area economic activities?	No	No	No
50. Will the project have a disproportionately high or adverse impact on a minority or low income population?	No	No	Yes
51. Will the project decrease or hinder prime farmland?	No	No	No

Natural Resources

52. Will marine, aquatic or terrestrial vegetation be removed?	No	No	No
53. Will there be construction in marshlands or wetlands?	No	No	No
54. Will the project adversely affect any wetland areas?	No	No	No
55. Will the project impact wetlands? (flood, drain, excavate, dredge, fill, shade, etc.)	No	No	No
56. Do endangered or rare species live in the project area?	Unknown	Unknown	No
57. Is the project area in or near a wildlife conservation area?	Possibly	Possibly	No

Natural Resources

58. Are there any properties that appear to be 50 years of age included in your project? (if yes, please provide a list of these properties with the owner(s) name, address, map and parcel numbers and photographs of all four sides of the structure).	Yes	No	Yes
59. Does the project area have any archeological, cultural or historical significance?	No	Unknown	No
60. Is your project located within or near a National Register listed historic district, or are any of the properties individually listed on the National Register of Historic Places? (if in or near a district, please enclose a sketch map of the district, which outlines the project targets.)	No	No	No
61. Has the project properties / neighborhood ever been reviewed for its eligibility for the National Register of Historic Places?	No	No	No
62. Has a survey to locate archeological sites and / or historic structures been carried out on the project area? If so, please provide a copy of the survey with this application indicating the date of the survey, the firm who did the survey, and if the survey is on record with the State Historic Office.	No	No	No
63. Will the project require excavation or disturbance of soil?	Yes	Yes	No
64. Has there been a public meeting, which provided an opportunity for public comment regarding various mitigation options? If yes, please attach details describing the meeting venue(s), date(s), and attendance.	Yes	No	No
Total "No" Responses			
	14	14	12

Part 13: Environmental Information:

65. Consider hazardous materials that may be found on the properties you plan to mitigate. Answer "Yes," "No," "Possibly," or "Don't know" to each of the following questions. If the answer is "Yes" for even one property, then answer "Yes" to the question. For any question to which you answered "Yes" or "Possibly," please attach additional pages using "overflow" explaining each hazardous material and planned abatement. If there is enough room on this page to answer any question other than "no", you may answer them on this page.

No	66. Were the properties previously or are the properties currently used for commercial, light industrial, transportation or institutional purposes?
No	67. Are there any above ground storage tanks, underground storage tanks, or leaking storage tanks present on the properties?
No	68. Is there presently, or has there been in the past, any generation, treatment, storage, disposal, release, or spill of petroleum products, solid or hazardous substances and/or wastes, other than normal quantities of household substances on the properties?
No	69. Have unusual odors or discoloration been noticed in the soil, or drinking or surface water on or near the properties?
No	70. Are there any past or ongoing environmental investigations conducted by federal, state, local government agencies, or private firms; or Occupational Safety and Health Administration (OSHA) citations or notices of violation on the properties related to environmental or toxic hazards?
No	71. Will there be abatement of any hazardous materials (e.g., lead, asbestos, septic tanks, heating oil tanks, etc.) on any of the properties? Identify and describe.
Possibly	72. Are there any other issues or concerns associated with hazardous or toxic materials on the properties? (i.e. Asbestos siding and roofing material)

Part 14: Historical and Socioeconomic Narrative Questions:

Please respond to the following in regard to the community's proposed solution.

73. Identify and describe any historic resources on or near any of the properties. Explain how the project will affect those historic resources.

74. Identify and describe any archeological sites on or near any of the properties. Explain how the project will affect those archeological sites.

75. Identify and explain any significant cultural or social issues that might affect or be affected by the project.

76. Identify and explain any economic concerns or issues that might affect or be affected by the project. Failure to implement the project could leave the State vulnerable to catastrophic disaster without response. The economic impact of such a disaster is considered to be in the millions as well as a significant loss of life.

Part 15: Public Notification Sources:

77. Federal and State law requires public participation associated with the project. Please state below the media outlets used in your project area to ensure public participation.

Local Newspaper Name
Address 1
Address 2
Phone Number

Circulation Type (Daily, weekly, if weekly, what day of the week is

Newspaper most often read (if different from above)

Other Media Outlet Name
Address 1
Address 2
Phone Number
Distribution Day?

Attach copies of any articles to this application.

Part 16: Post Project Land Use (Acquisition / Demolition only):

78. Describe the community's intentions for the use of any acquired land after project completion.

State on the line provided below who will maintain the project (Community where the project work occurred).

Community or private non-profit environmental entity maintainer:

WVDHSEM

THIS SECTION FOR STATE / FEMA USE ONLY	
Identify the State and Federal agencies contacted in the development of the project and in the preparation of the environmental	State Historic Preservation Office
	US Fish and Wildlife
	State Division of Environmental Protection
	State Division of Natural Resources
	US Department of the Interior
	US Environmental Protection Agency
	US Geological Survey
	US Natural Resources Conservation Service
	State Department of Social Services (DHHR)
	Other (Specify)

79. The applicant should contact the following agencies for acquisition / demolition and relocation projects for notification

N/A
N/A

N/A

N/A

N/A

N/A

N/A

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N/A

Before submitting this application, ensure you have provided all requested information. An incomplete application may result in an unfavorable evaluation, or delay grant funding. List all attachments and enclosures on the next page.

N/A	Individual Participant Forms
X	4 Photos (per Structure)
N/A	Property Tax Records
X	Maps of project areas
X	Street maps
N/A	Resolutions supporting the application
N/A	Clearance letters from DOT
N/A	Clearance letters from ACOE
N/A	Authorized agent resolution

N/A	Elevation Certificates
X	Construction Drawings Preliminary (Mitigation
X	Benefit Cost Analysis
N/A	Letters from environmental agencies
N/A	Advertisements (Public notices) for project meetings
N/A	Sign-in sheets for public meetings
N/A	Letters on fair housing, hazardous materials and minority
X	Engineering documents

Building Size and Use: The existing drill hall for the WVARNG Armory is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

Building Value: The approximate value of the existing WVARNG Armory Drill Hall building is \$2,100,000.00 (based on current construction values). The approximate value of the new EOC (building only) is \$3,500,000.00 (based on current construction values; building equipment/furnishings would add approximately \$1,000,000.00 to this construction value).

Building Contents: The building currently contains two wall-mounted basketball hoops, tables, chairs and a stage.

Displacement Costs: The rental cost for room(s) of comparable size at the Charleston Civic Center for the drill hall/EOC purposes is approximately \$2,500.00 per day.

Rent and Business Income: The rental rate for the Drill Hall breaks down as follows.

Commercial Rental Rate: Flat fees below may be used if fees are based on rates below and an estimate of the number of persons who would normally attend this type of event or activity is used.

Admission Charged: 30 cents per person or 10% of the Admission Charge (exclusive of taxes) whichever is greater
No Admission Charged: 30 cents per person plus 5% of gross revenue (concessions, programs, souvenirs, other articles, auctions) (exclusive of taxes)

Flat Rental Fees:

\$40.00 (0-200 persons)

\$80.00 (200-400 persons)

\$100.00 (over 400 persons)

Non-Commercial Rental Rate: Flat fees below may be used if fees are based on rates below and an estimate of the number of persons who would normally attend this type of event or activity is used.

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No Admission Charged: 30 cents per person plus 5% of gross revenue (concessions, programs, souvenirs, other articles, auctions) (exclusive of taxes)

Flat Rental Fees:

\$60.00

Charges for all drill hall rentals (commercial or non-commercial) include the following fees.

Operating Charges:

\$15.00

Utilities:

\$15.00

Variable Operating Charges:

\$21.63/hr (Caretaker Rate)

\$10.63/hr (Extra Help Rate)

\$1.00 ea. (Tables over 30)

\$10.00 (Ice, 0-200)

\$2.00 per section (Wood Stage, 8 Sections)

20% TOTAL FEE (Maximum)

\$10.00 per contract (Maximum)

Managerial Committee:

Clerical Fees:

Building Size and Use: The existing drill hall for the WVARNG Army is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

Building Value: The approximate value of the existing WVARNG Army Drill Hall building is \$2,100,000.00 (based on current construction values). The approximate value of the new EOC (building only) is \$3,500,000.00 (based on current construction values; building equipment/furnishings would add approximately \$1,000,000.00 to this construction value).

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\$10.00 (Ice, 0-200)

\$2.00 per section (Wood Stage, 8 Sections)

20% TOTAL FEE (Maximum)

Clerical Fees:

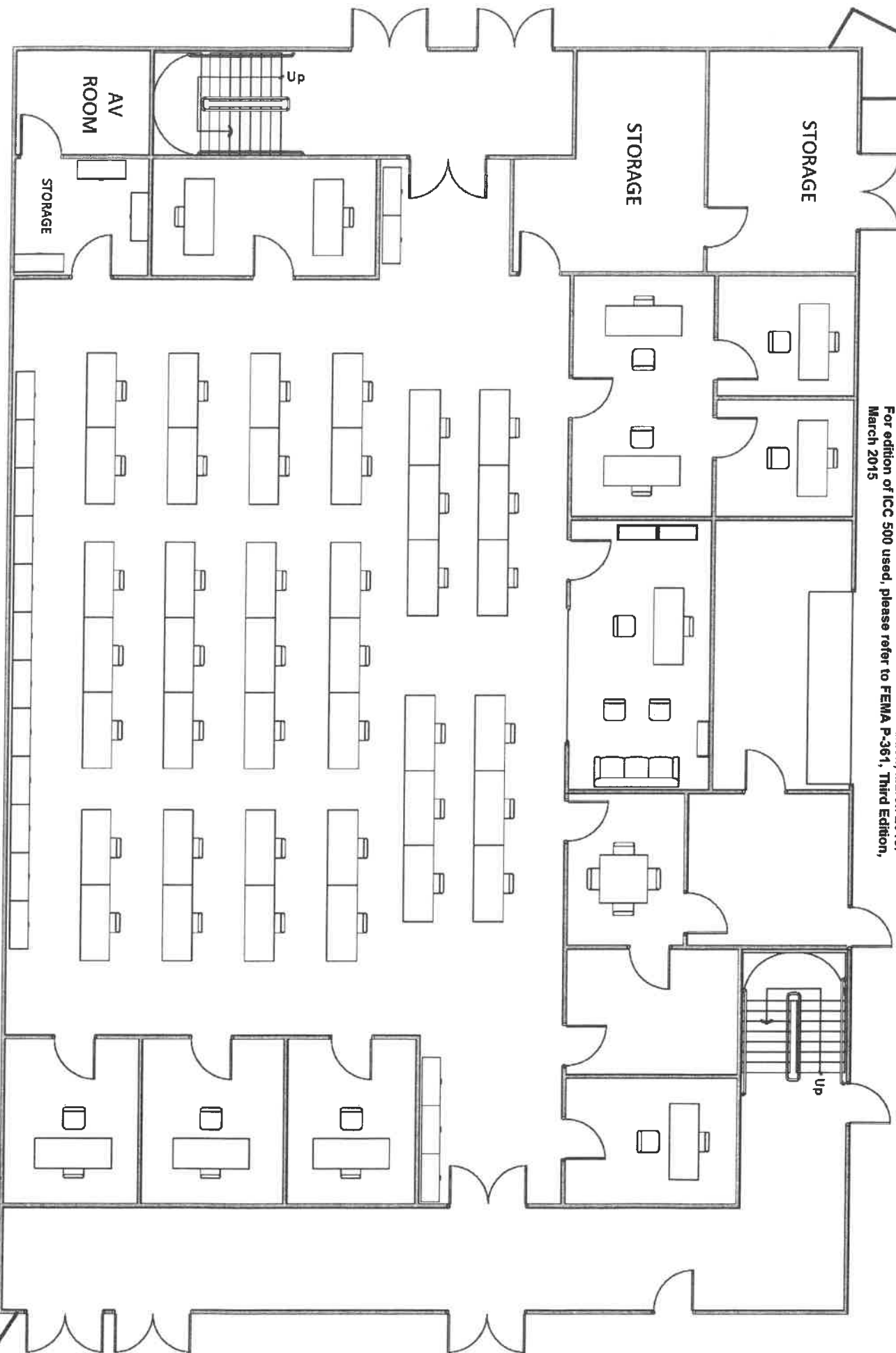
\$10.00 per contract (Maximum)

Walls, doors and other exterior openings designed for 250 MPH wind/... FEMA P-361 (pg. B3-7, Figure B3.1 and Pg. 3-14, Tornado wind speed design speed notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room. "Latest in ICC 500 Storm Shelter and FEMA Safe Room Requirements" presentation by Bob Franke, FEMA Region VII

Note: Referenced edition of FEMA P-361 is Third Edition, March 2015. For edition of ICC 500 used, please refer to FEMA P-361, Third Edition, March 2015

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First Floor of Multi-Use Safe Room located at Charleston WVWG JFHQ on existing Drill Hall floor

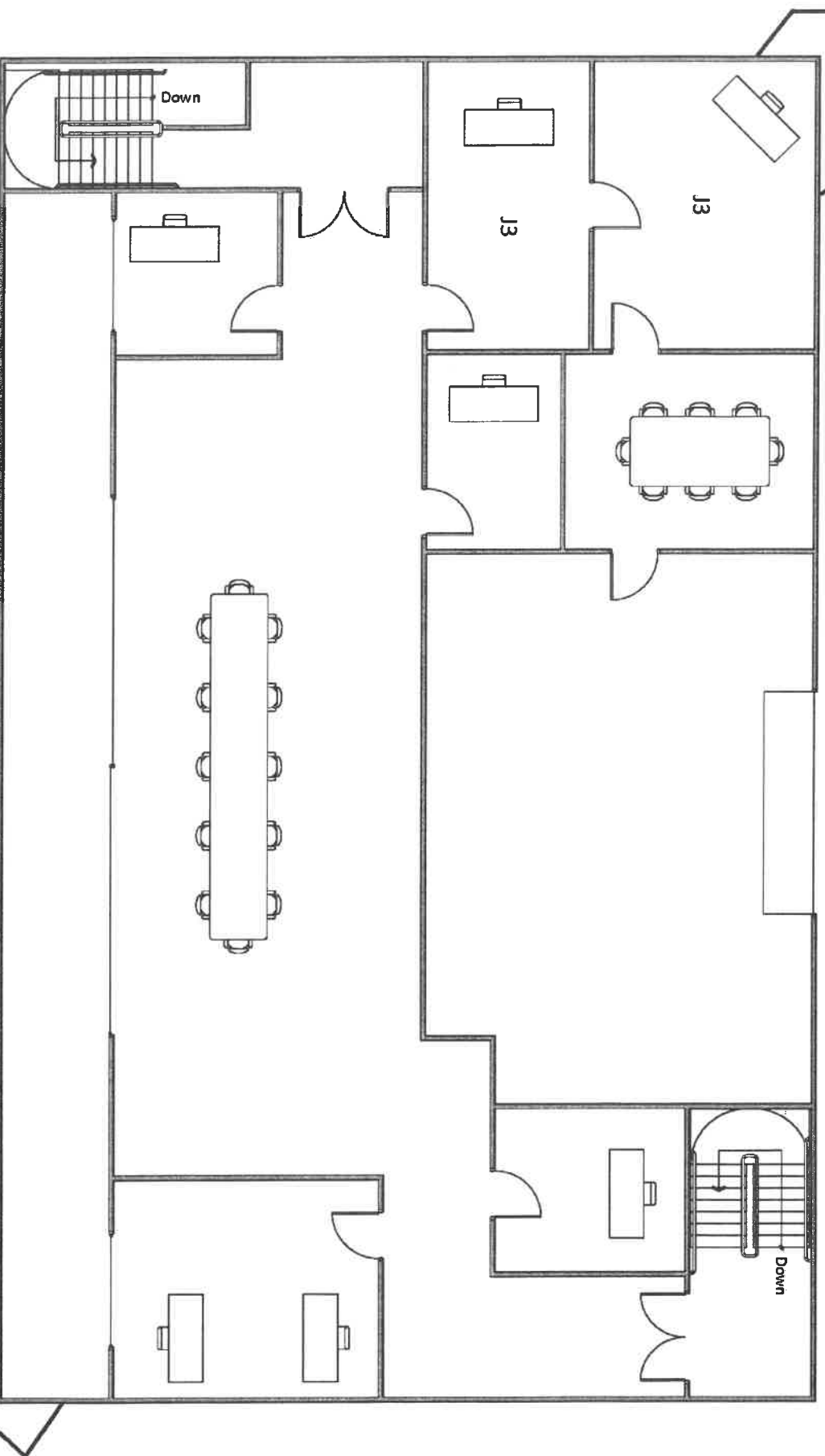
Walls, doors and other exterior openings designed for 250 MPH winds per FEMA P-361 (pg. B3-7, Figure B3.1 and Pg. 3-14, Tornado wind speed design speed notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

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Note: Roof of interior structure to be designed according to FEMA P-361 and related editions of ICC 500 and ASCE 7-10.

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Second Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

Building Size and Use: The existing drill hall for the WVARNG Armory is approximately 7,000 SF in size and is used for drill exercises (troop formations, etc.) and assemblies (instructional/informational).

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Flat Rental Fees:	\$60.00
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Charges for all drill hall rentals (commercial or non-commercial) include the following fees.

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Utilities: \$15.00

Variable Operating Charges: \$21.63/hr (Caretaker Rate)

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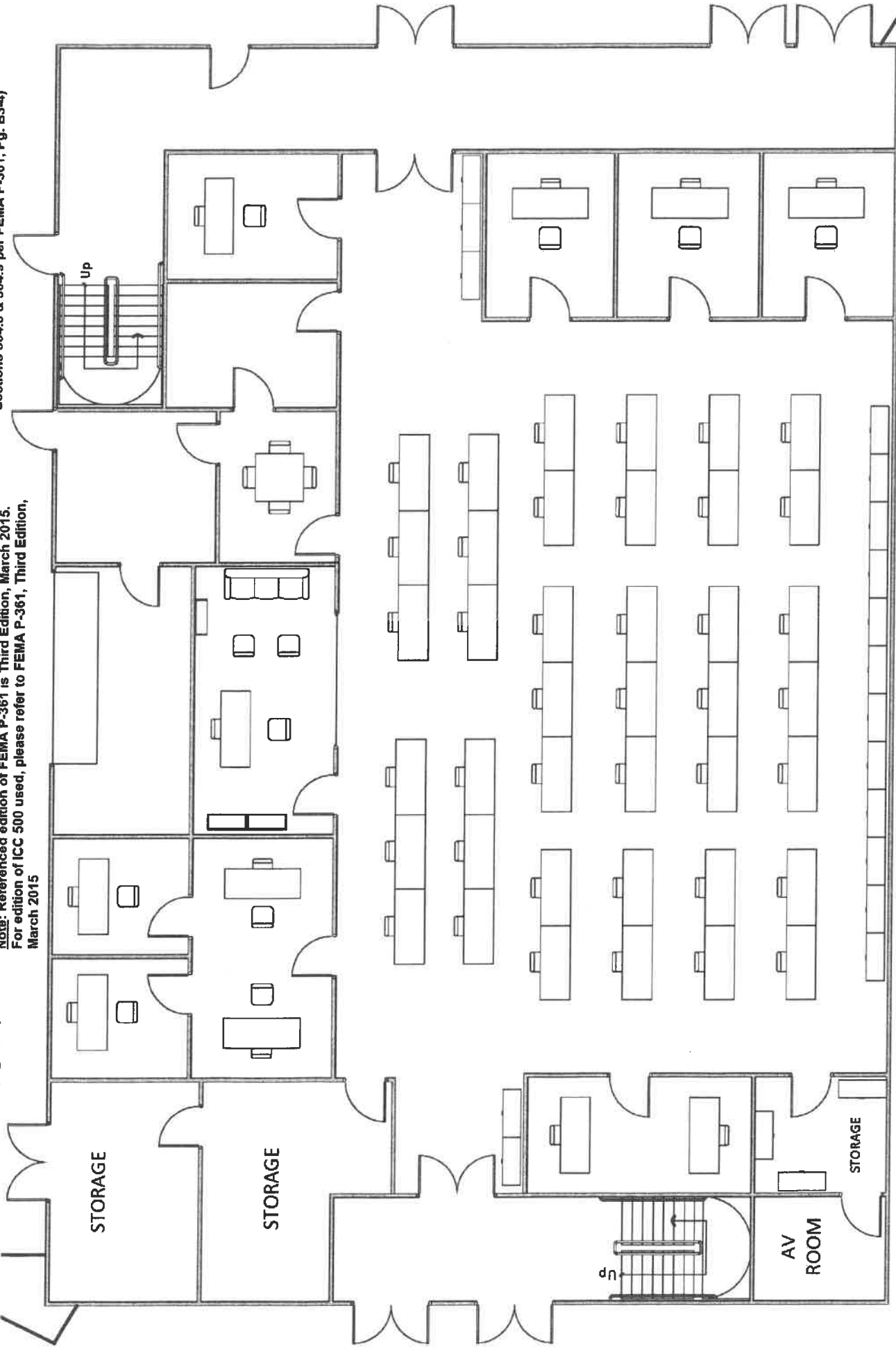
Managerial Committee: 20% TOTAL FEE (Maximum)

Clerical Fees: \$10.00 per contract (Maximum)

Walls, doors and other exterior openings designed for 250 MPH wind: FEMA P-361 (pg. B3-7, Figure B3.1 and Pg. 3-14, Tornado wind speed design notation) and in consideration of safe rooms within host building (ICC 500 Sections 304.8 & 304.9 per FEMA P-361, Pg. B3-4)

Note: Structure mounted to existing concrete slab or a replacement slab below proposed multi-use safe room. "Latest in ICC 500 Storm Shelter and FEMA Safe Room Requirements" presentation by Bob Franke, FEMA Region VII

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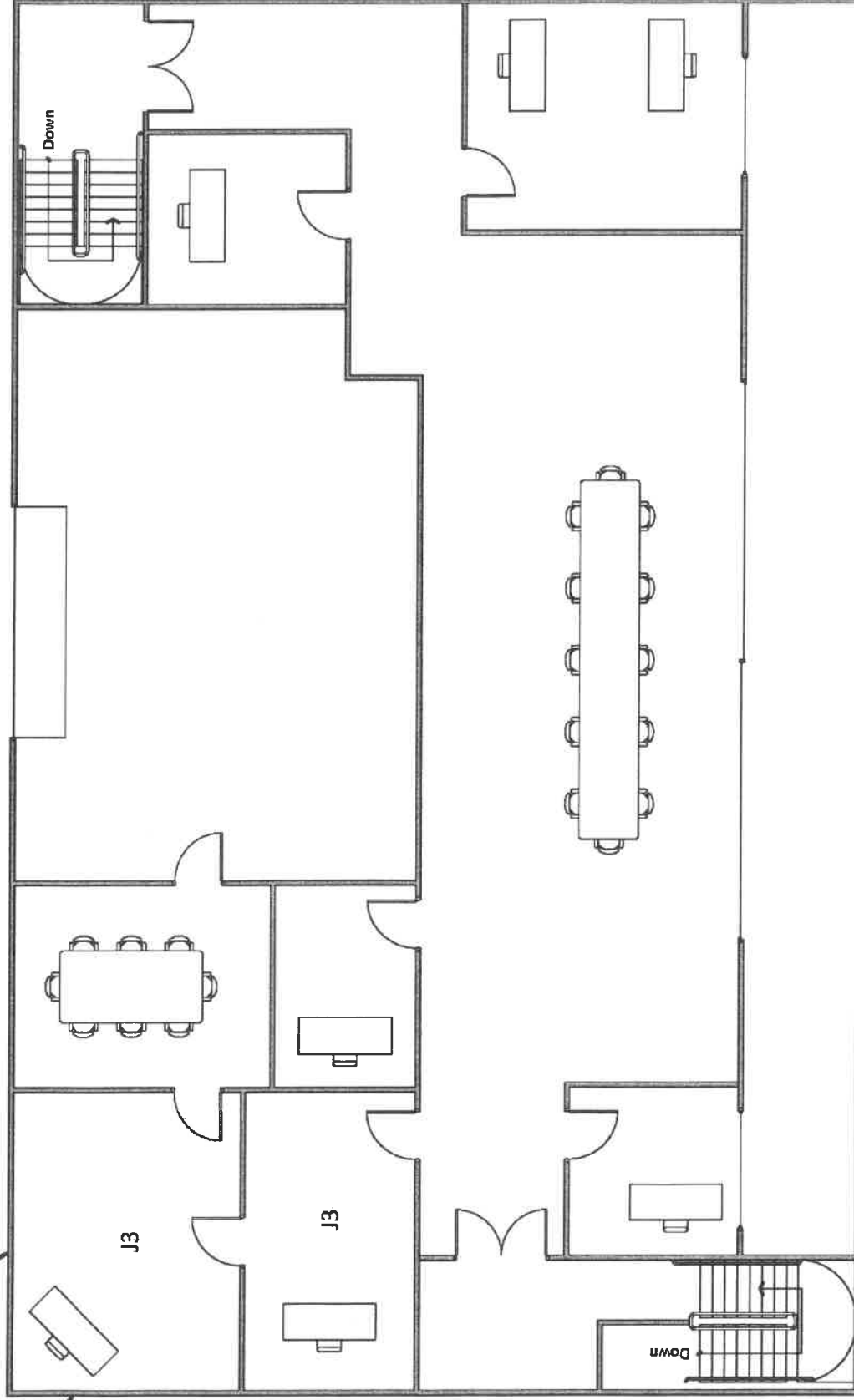
First Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

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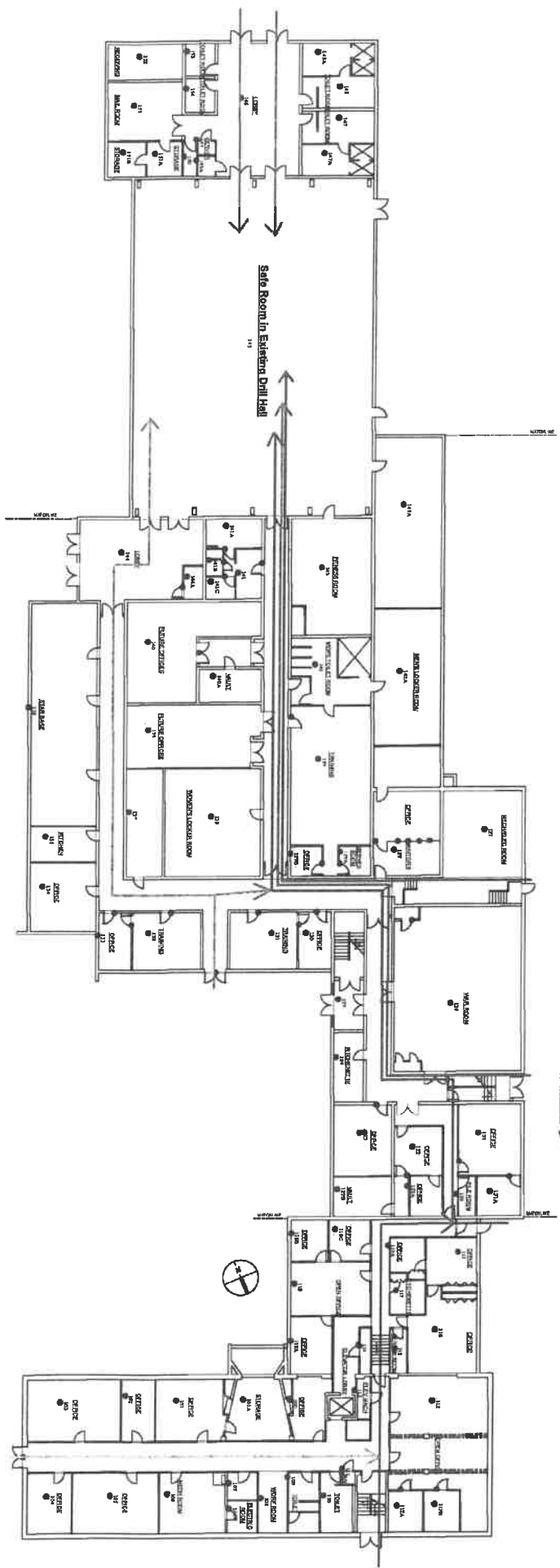
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Second Floor of Multi-Use Safe Room located at Charleston WVNG JFHQ on existing Drill Hall floor

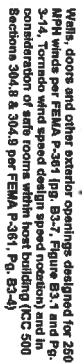
West Virginia National Guard Armory Main Building Floor Plan

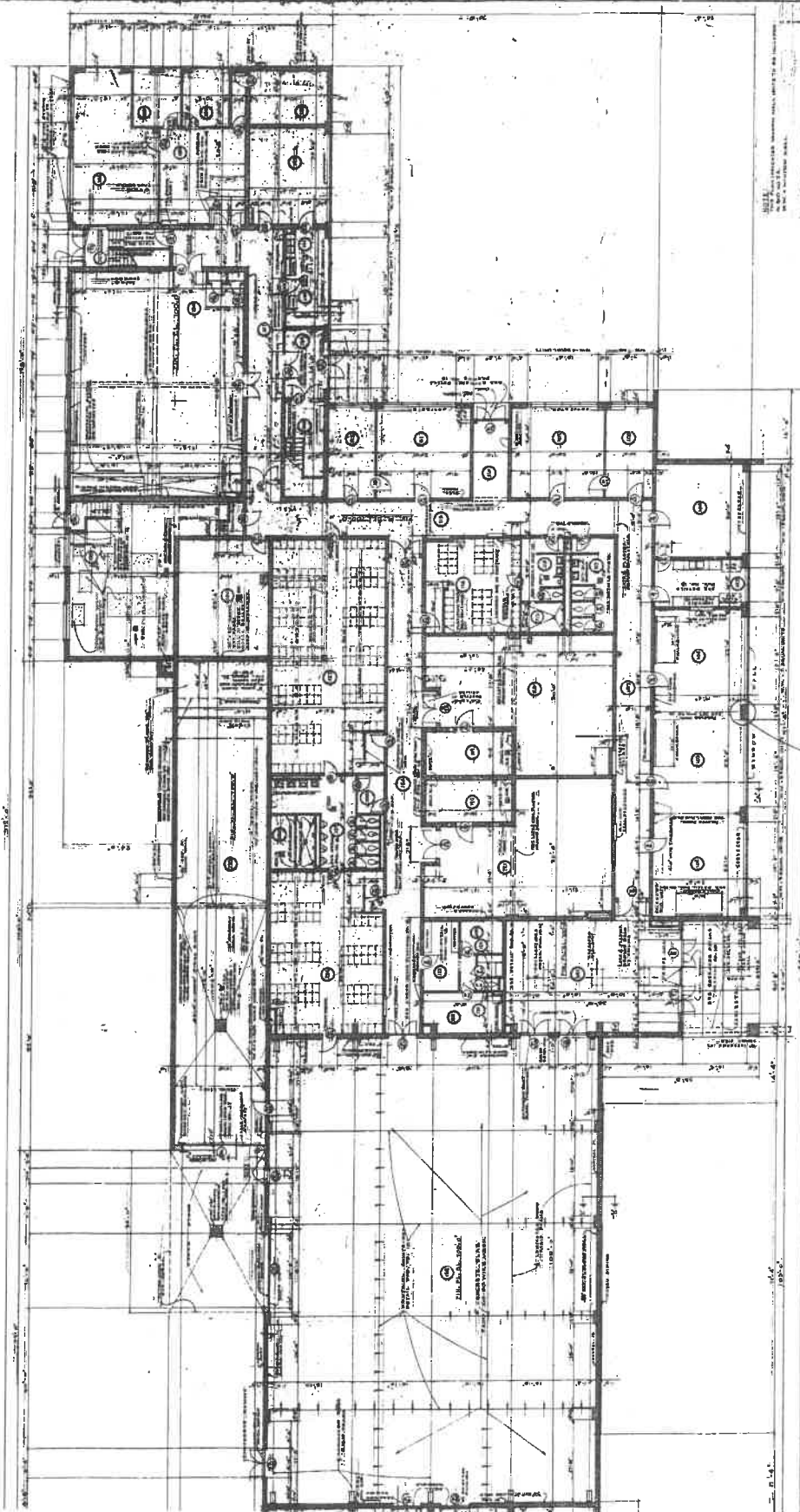


NOTE: Color lines indicate the paths of entrance available to the safe room area from the interior and exterior of the existing building

Various paths of entrance to safe room area

100 Feet





FIRST FLOOR PLAN

Scale: 1/8" = 1'-0"

Notes: 1. All dimensions are in feet and inches.

2. All rooms are to be finished with the same material.

3. All rooms are to be finished with the same material.

4. All rooms are to be finished with the same material.

5. All rooms are to be finished with the same material.

HYDRAULIC DETAIL



SECTION THROUGH CORRIDOR AND ROOM



THE ARCADE BUILDING



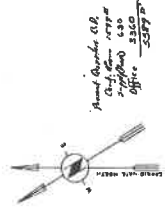
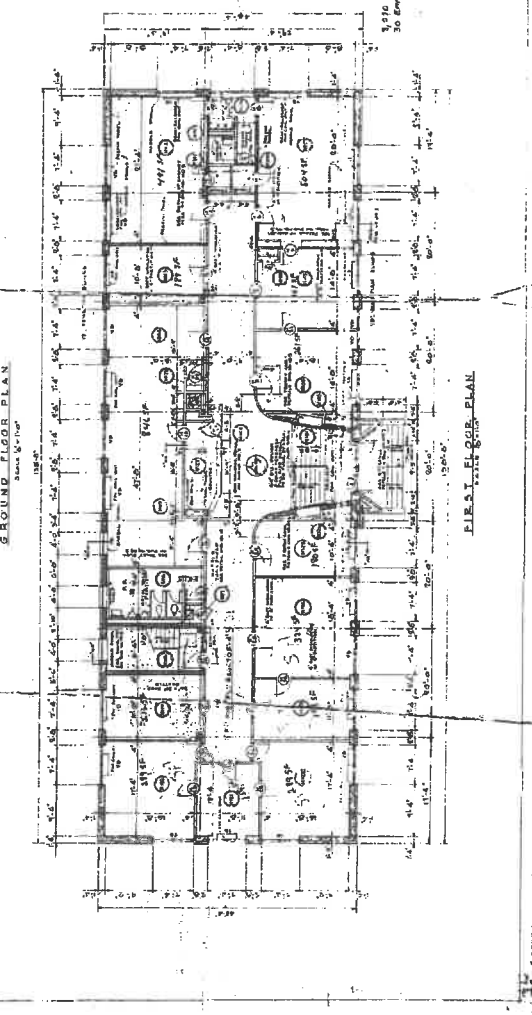
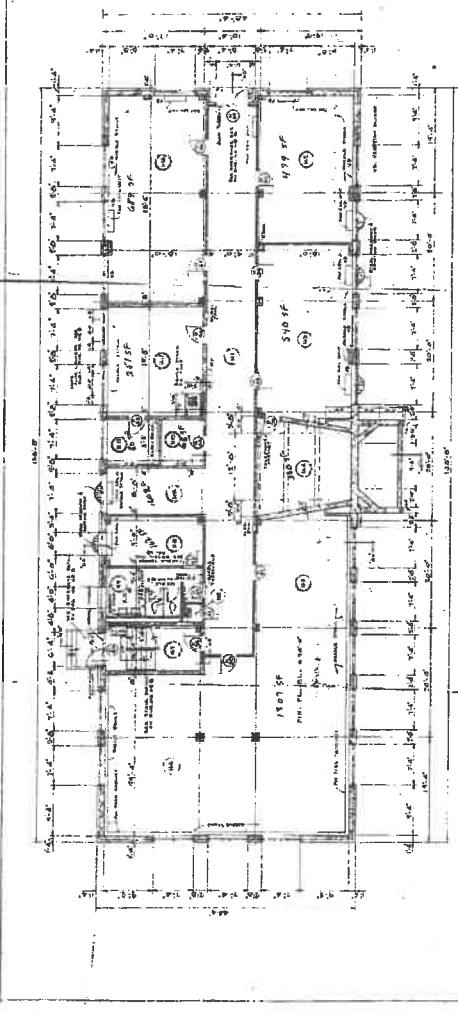
ROOM	FINISH SCHEDULE	REMARKS
101	CEILING	101
102	FLOOR	102
103	WALL	103
104	DOOR	104
105	WINDOW	105
106	STAIR	106
107	ELEVATOR	107
108	MECHANICAL	108
109	ELECTRICAL	109
110	PLUMBING	110
111	PAINT	111
112	GLASS	112
113	IRONWORK	113
114	CARPENTRY	114
115	ROOFING	115
116	LANDSCAPE	116
117	CONCRETE	117
118	ASPHALT	118
119	GRAVEL	119
120	SOIL	120
121	WATER	121
122	SEWER	122
123	GAS	123
124	HEATING	124
125	Cooling	125
126	Lighting	126
127	Sound	127
128	Security	128
129	Communication	129
130	Transportation	130
131	Storage	131
132	Waste	132
133	Recycling	133
134	Energy	134
135	Water	135
136	Waste	136
137	Recycling	137
138	Energy	138
139	Water	139
140	Waste	140
141	Recycling	141
142	Energy	142
143	Water	143
144	Waste	144
145	Recycling	145
146	Energy	146
147	Water	147
148	Waste	148
149	Recycling	149
150	Energy	150

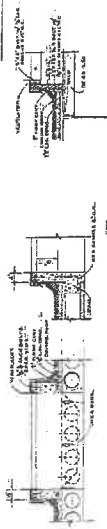
THE HEADQUARTERS BUILDING
 CHARLESTON, WEST VIRGINIA
 THE STATE ARCHITECT BOARD
 1941

HQ-2

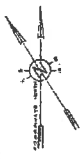
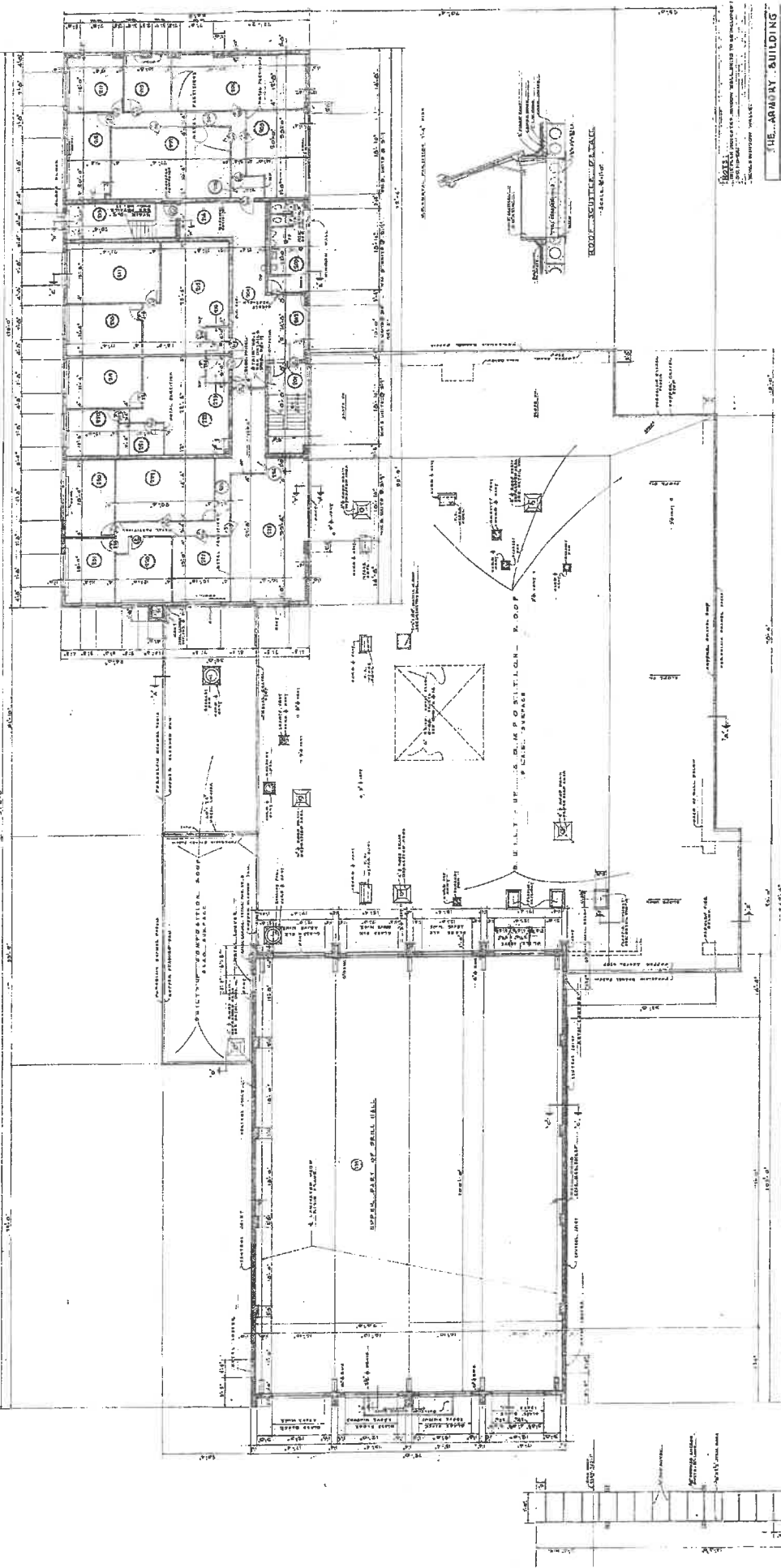
1. 1010 sq. ft. USUAL OFFICE SPACE
 2. 1010 sq. ft. USUAL OFFICE SPACE

1010 sq. ft. USUAL OFFICE SPACE
 1010 sq. ft. USUAL OFFICE SPACE





TYPICAL CORNER DETAIL

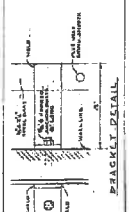


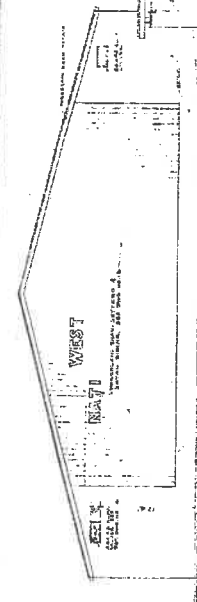
SECOND FLOOR - LOW LEVEL - FLOOR PLAN

THE ARMORY BUILDING
CHARLESTON NATIONAL GUARD ARMORY
CHARLESTON, WEST VIRGINIA

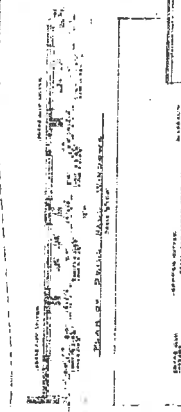
THE STATE ARCHITECT BOARD
AS SHOWN ON THE PLAN OF THE BUILDING

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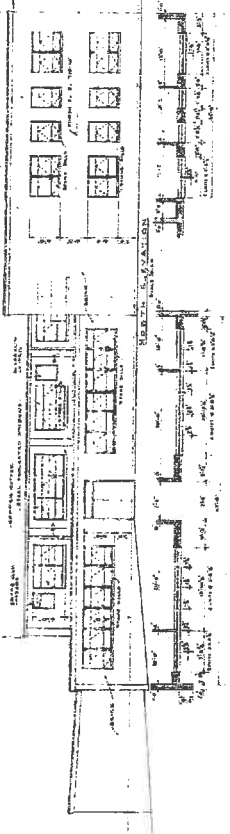




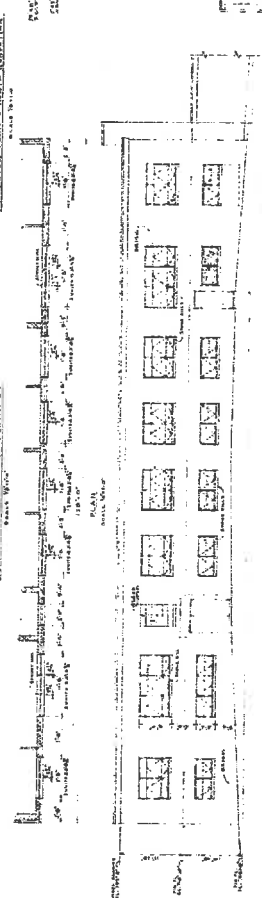
WEST ELEVATION



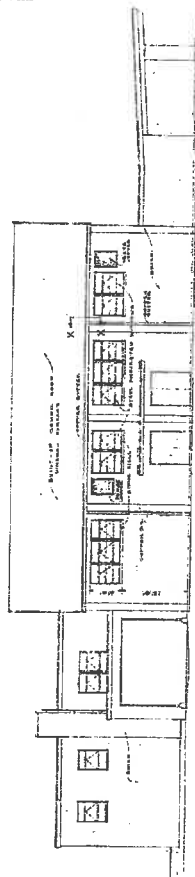
EAST ELEVATION



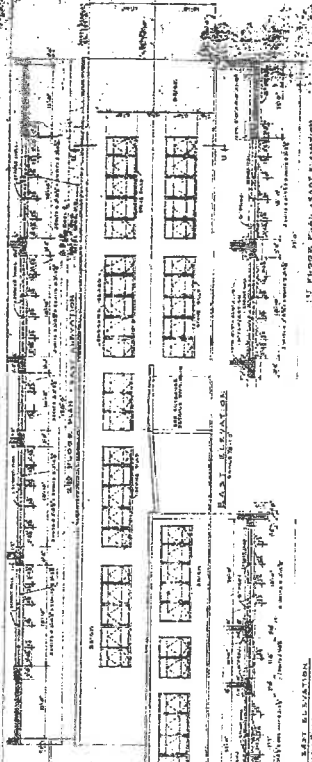
SOUTH ELEVATION



NORTH ELEVATION



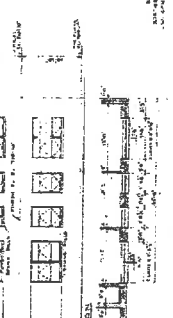
WEST ELEVATION



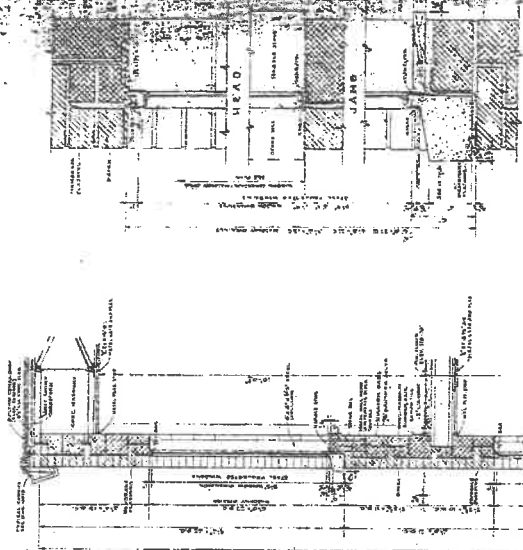
EAST ELEVATION



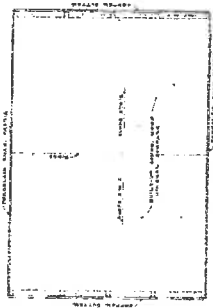
SOUTH ELEVATION



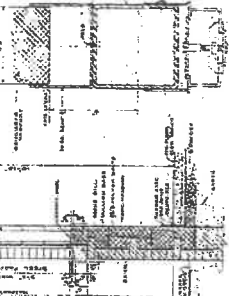
NORTH ELEVATION



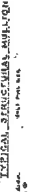
WEST ELEVATION



EAST ELEVATION

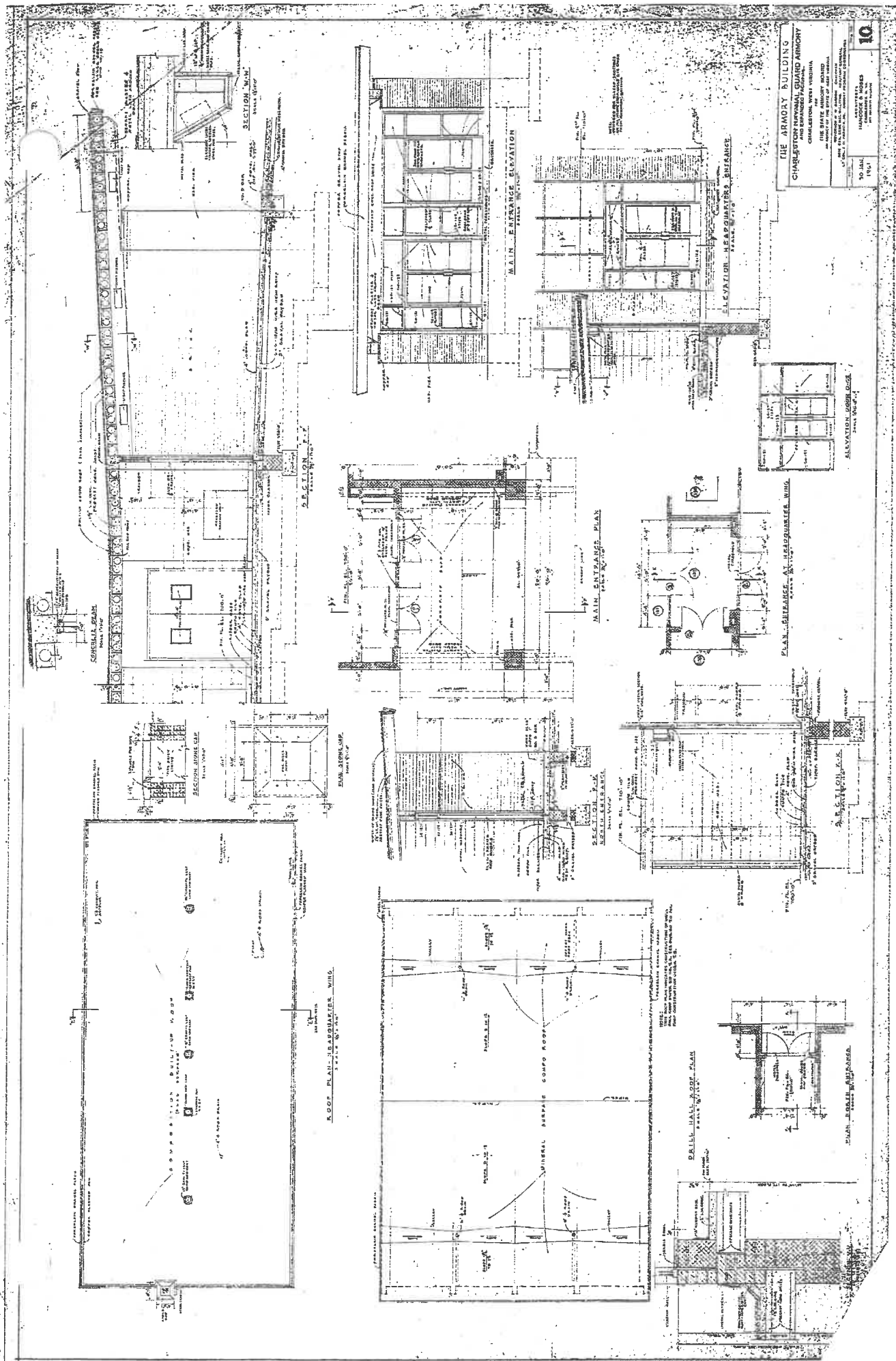


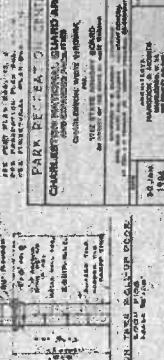
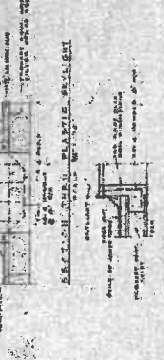
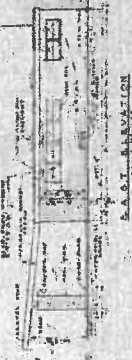
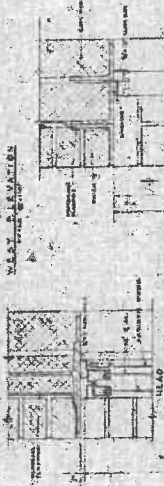
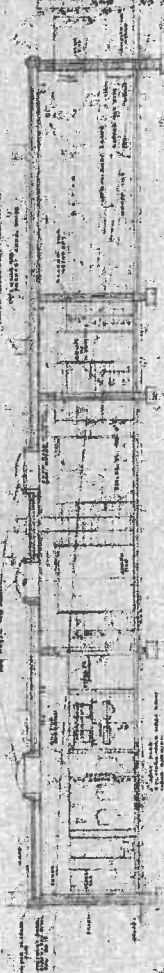
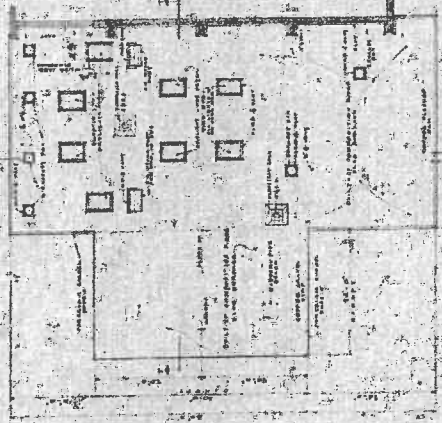
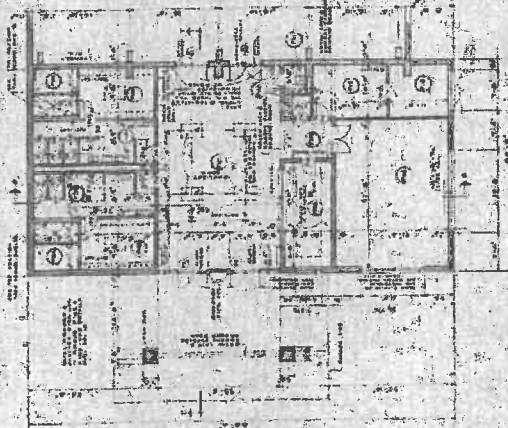
SOUTH ELEVATION

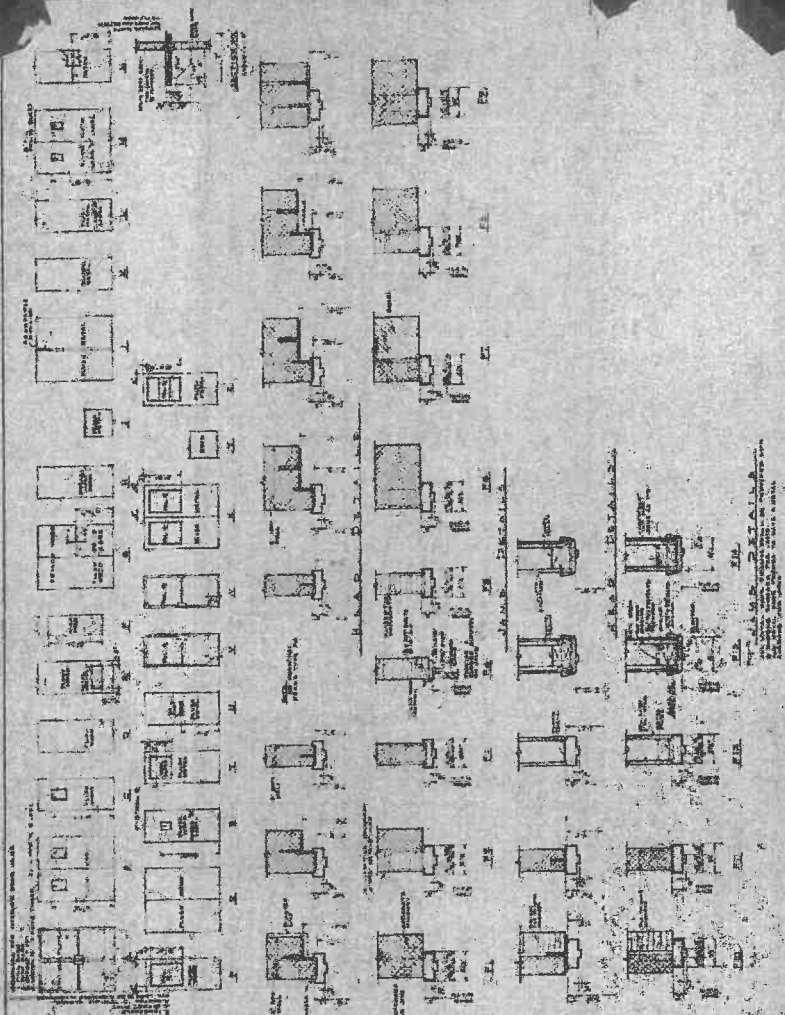


NORTH ELEVATION

THE ARCADE BUILDING
CHARLESTON NATIONAL GUARD ARCADE
CONSTRUCTION CONTRACT NO. 1000
DRAWN BY J. H. HARRIS
CHECKED BY J. H. HARRIS
DATE 10-1-1914







DOCK BUILDING - FIRST FLOOR

Room No.	Room Name	Area (sq. ft.)	Remarks
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DOCK BUILDING - FIRST FLOOR

Room No.	Room Name	Area (sq. ft.)	Remarks
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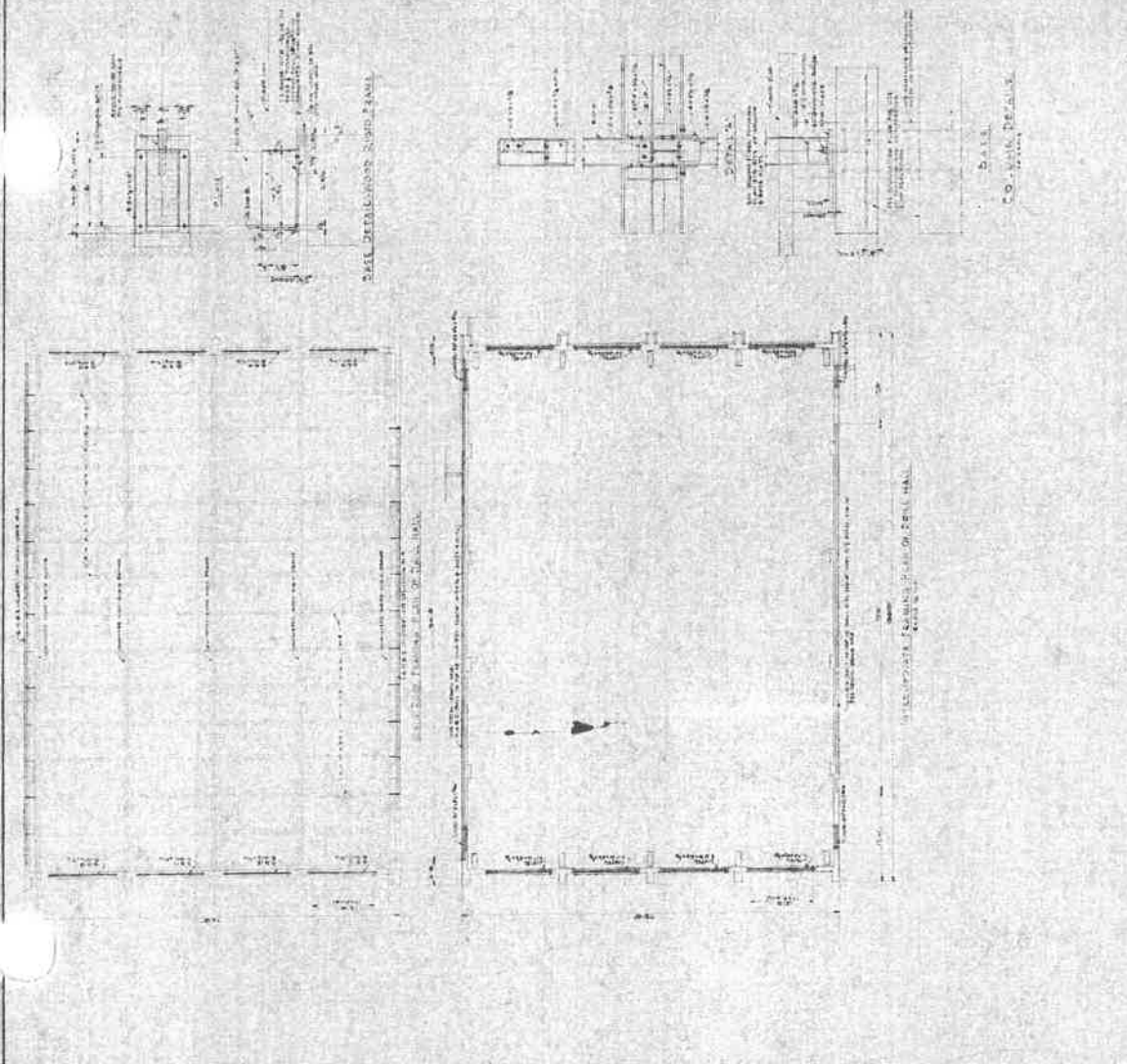
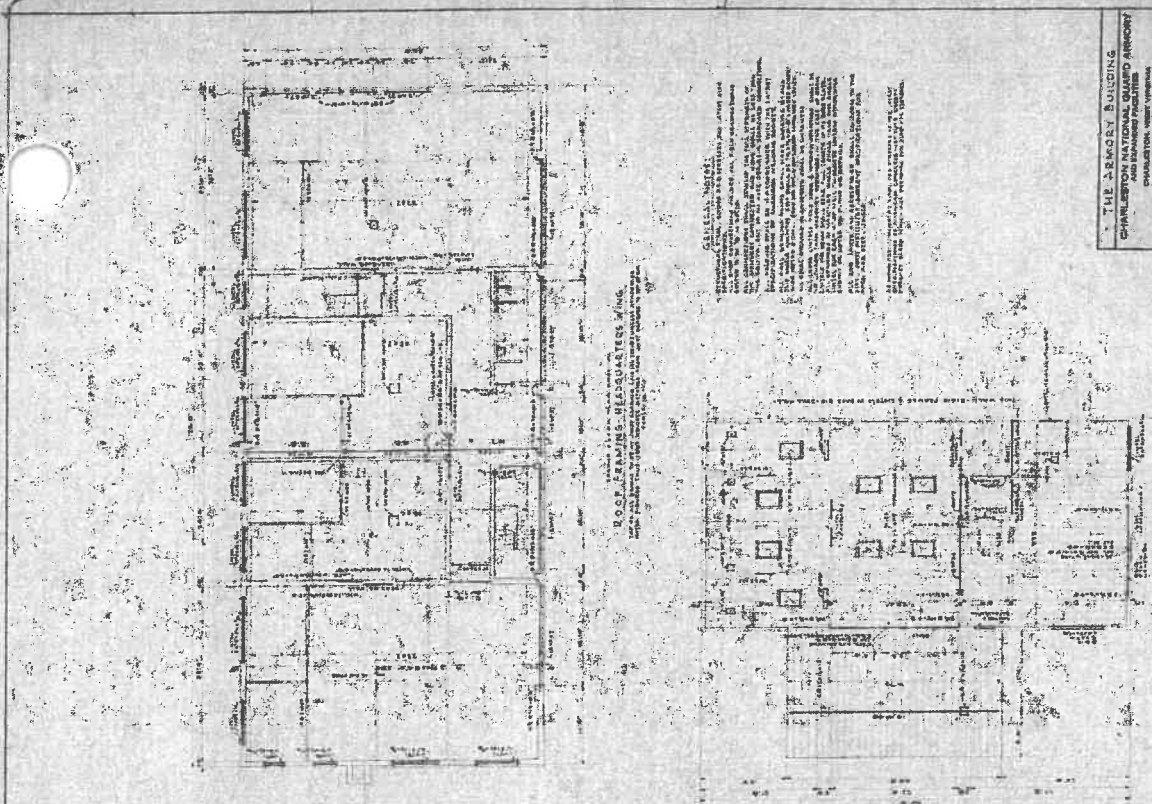
ARMORY BUILDING - ROOM FINISH SCHEDULE

Room No.	Room Name	Area (sq. ft.)	Remarks
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ARMORY BUILDING - ROOM FINISH SCHEDULE

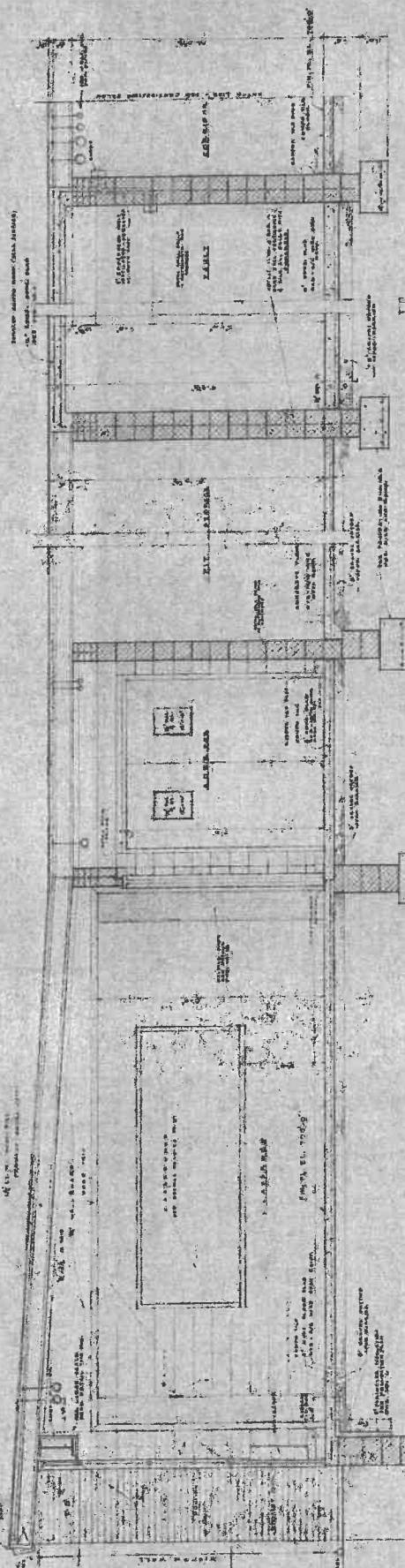
Room No.	Room Name	Area (sq. ft.)	Remarks
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THE ARMORY BUILDING
CHARLESTON NATIONAL GUARD ARMORY
10 JAN 1961



ROOF FRAMING - HEADQUARTERS WING
 This section shows the structural layout of the roof for the Headquarters Wing, including the main hall and various rooms. The drawing indicates the placement of structural beams and supports.

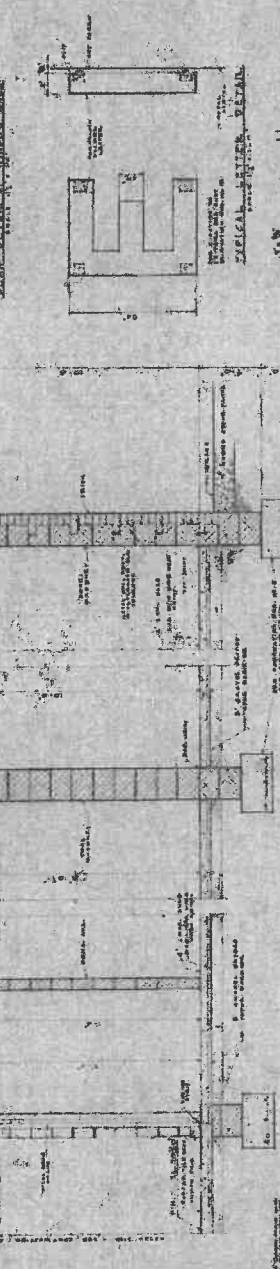
SECTION A-A
ELEVATION A-A



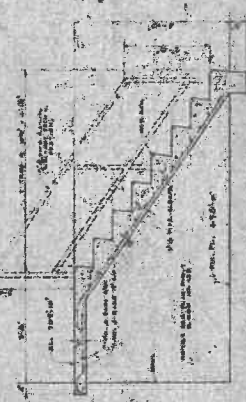
SECTION A-A
ELEVATION A-A



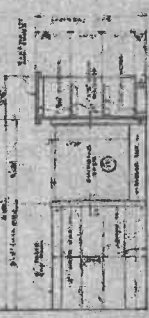
SECTION A-A
ELEVATION A-A



SECTION A-A
ELEVATION A-A



SECTION A-A
ELEVATION A-A



SECTION A-A
ELEVATION A-A



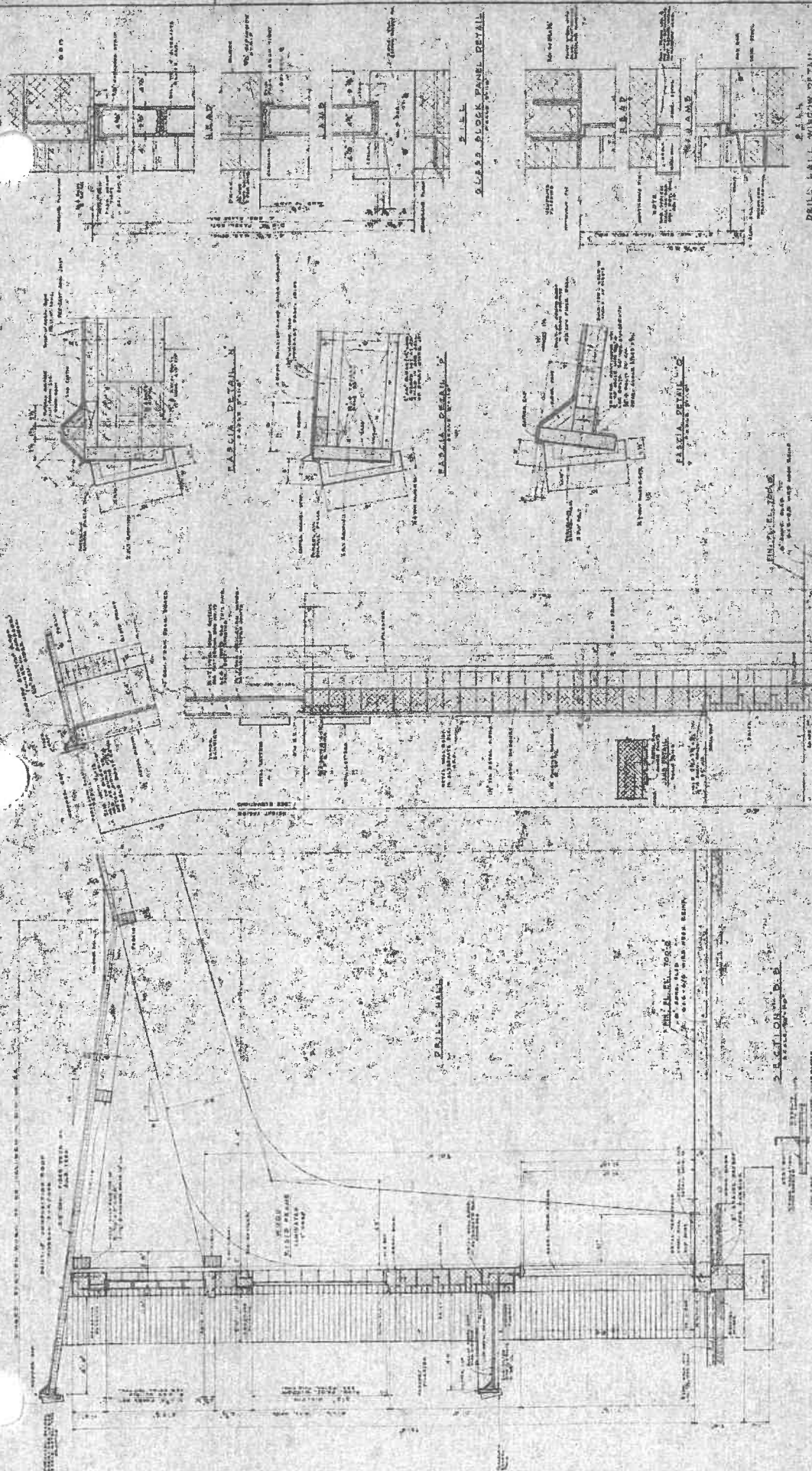
SECTION A-A
ELEVATION A-A



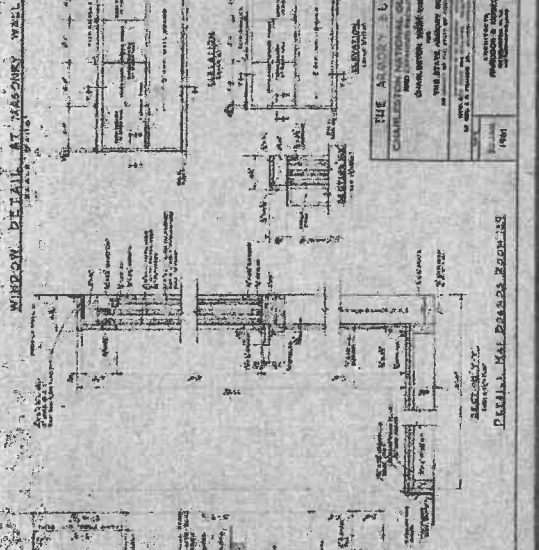
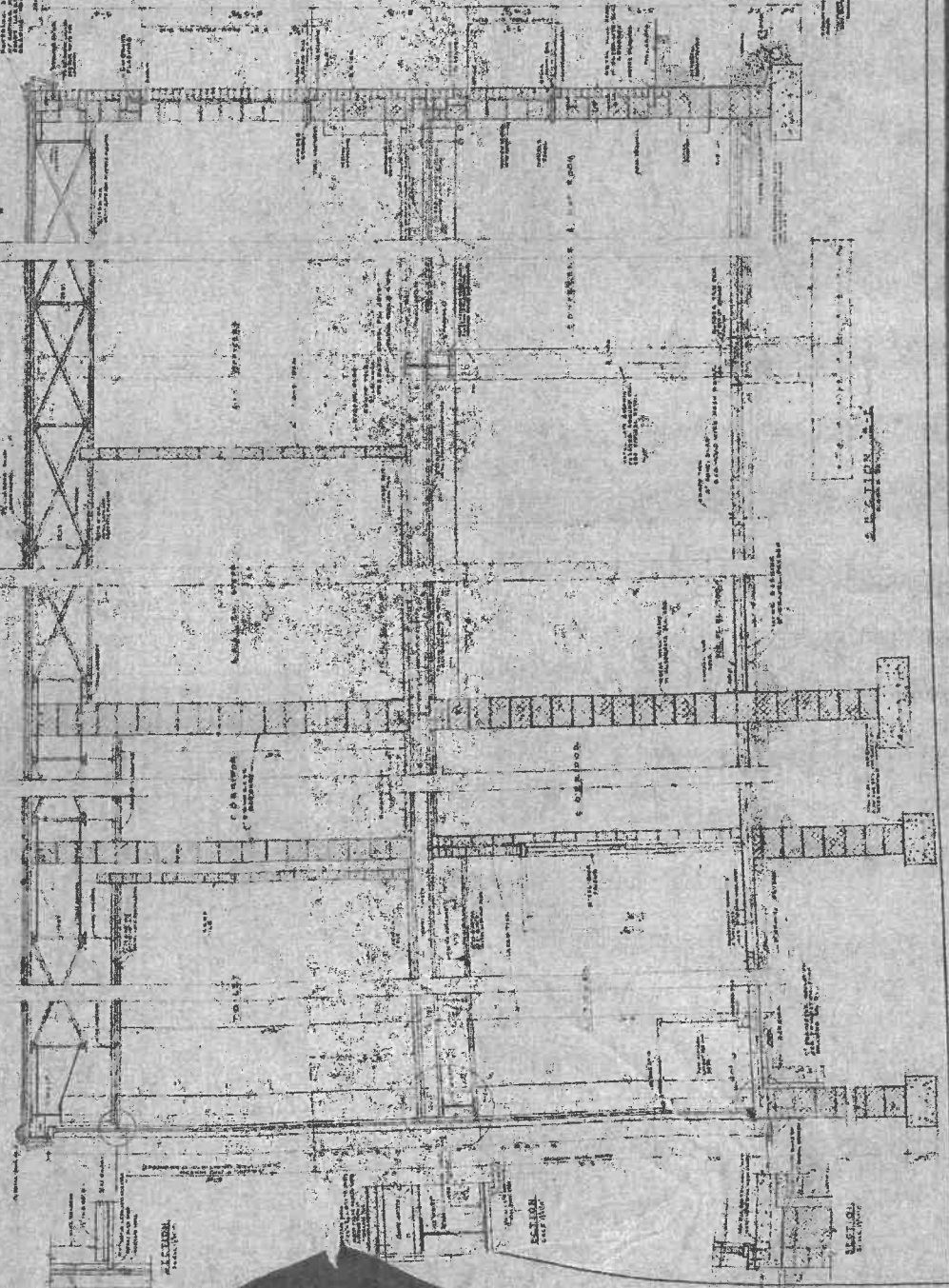
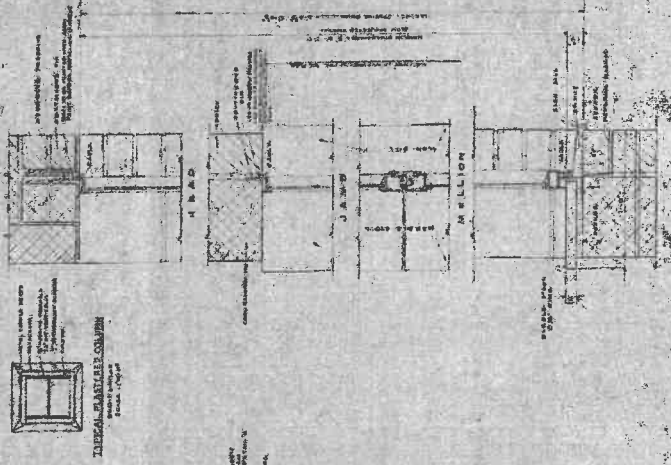
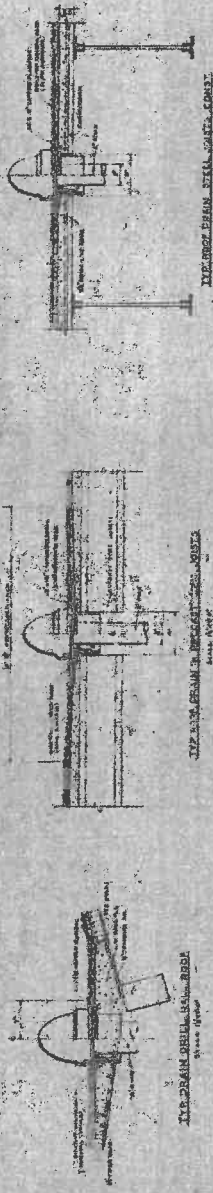
SECTION A-A
ELEVATION A-A

SECTION A-A
ELEVATION A-A

THE ARMY BUILDING
CHARLESTON NATIONAL GUARD ARMY
CONSTRUCTION DIVISION
10 JAN 1941

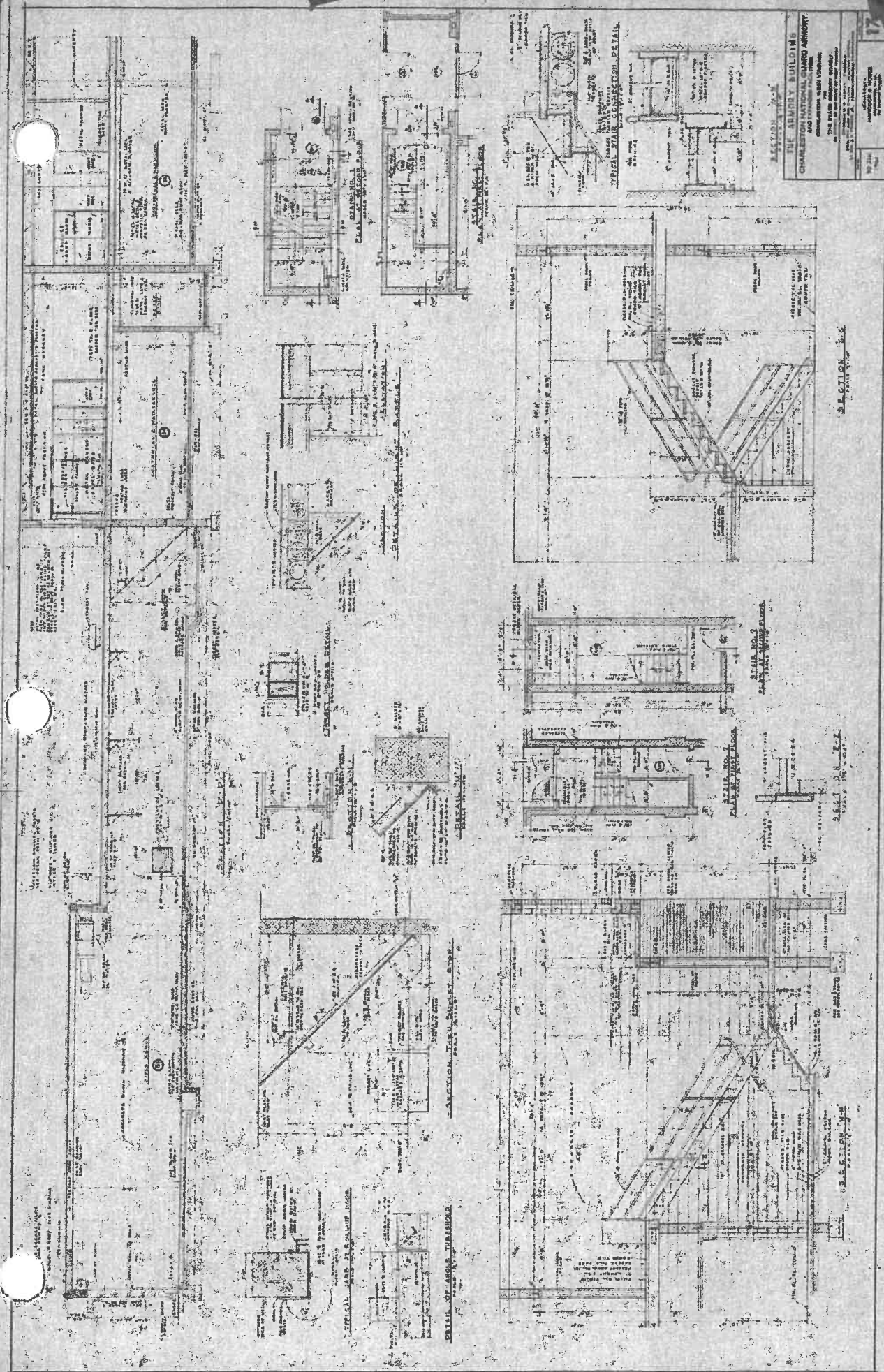


THE AMESBURY BUILDING
 CHARLESTON, SOUTH CAROLINA
 CHASE, HARRIS & HARRIS
 ARCHITECTS
 15



THE ALBANY BUILDING
 CHARLES E. ALBANY ARCHITECT
 100 N. 3rd St., Albany, N.Y.
 1914

DETAILS OF ROOF TRUSS



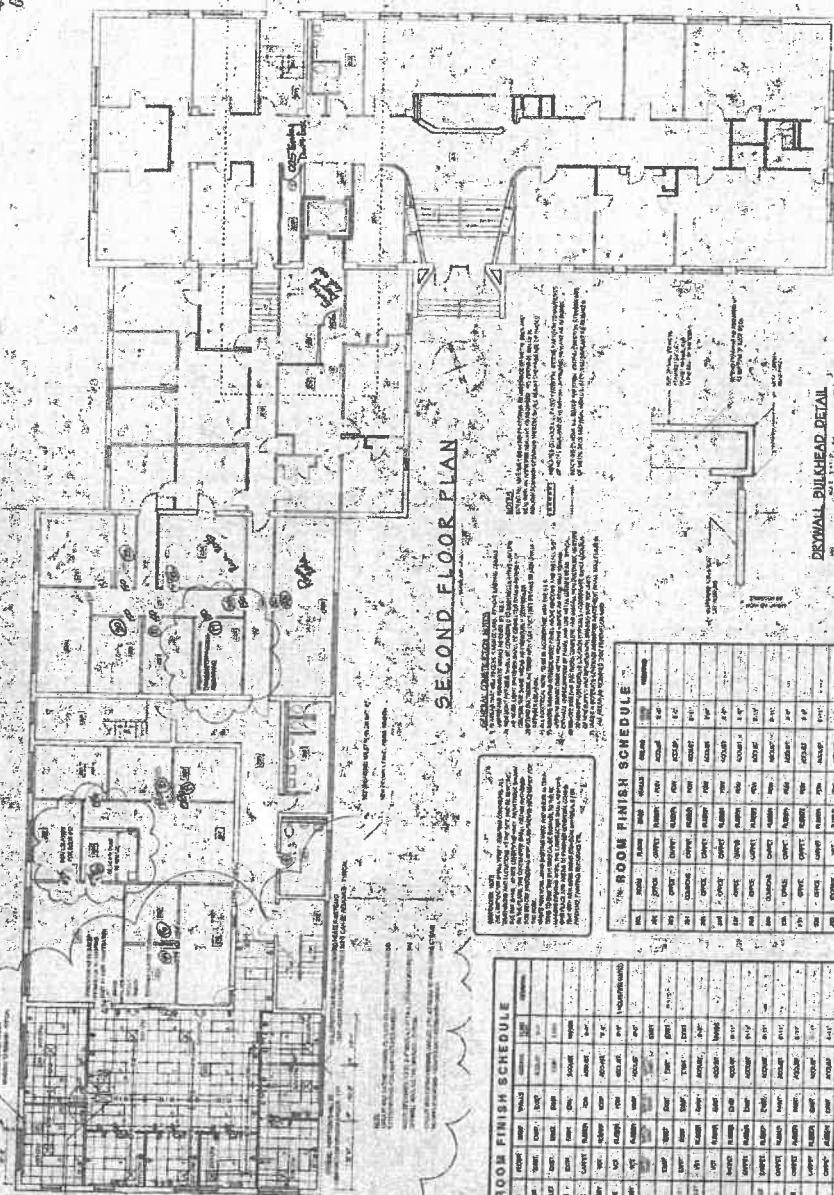
THE ALSBURY BUILDING
CHARLESTON NATIONAL GUARD ARMORY
CHARLESTON, S.C.
DESIGNED BY
THE FREDERICKS COMPANY
ARCHITECTS
NEW YORK, N.Y.

SECTION 3-3

SECTION 2-2



Noted: 075
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SECOND FLOOR PLAN

NOTES:
1. ALL ROOMS AND AREAS TO BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
2. ALL ROOMS AND AREAS TO BE FINISHED TO THE FINISHES SHOWN ON THE FINISH SCHEDULE.
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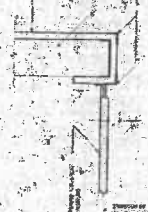
ROOM FINISH SCHEDULE

Room No.	Room Name	Finish	Material	Notes
101	REAR OFFICE	CEILING	Acoustic Tile	
102	REAR OFFICE	FLOOR	Polished Concrete	
103	REAR OFFICE	WALLS	Plaster	
104	REAR OFFICE	DOORS	Steel	
105	REAR OFFICE	WINDOWS	Aluminum	
106	REAR OFFICE	CEILING	Acoustic Tile	
107	REAR OFFICE	FLOOR	Polished Concrete	
108	REAR OFFICE	WALLS	Plaster	
109	REAR OFFICE	DOORS	Steel	
110	REAR OFFICE	WINDOWS	Aluminum	
111	REAR OFFICE	CEILING	Acoustic Tile	
112	REAR OFFICE	FLOOR	Polished Concrete	
113	REAR OFFICE	WALLS	Plaster	
114	REAR OFFICE	DOORS	Steel	
115	REAR OFFICE	WINDOWS	Aluminum	
116	REAR OFFICE	CEILING	Acoustic Tile	
117	REAR OFFICE	FLOOR	Polished Concrete	
118	REAR OFFICE	WALLS	Plaster	
119	REAR OFFICE	DOORS	Steel	
120	REAR OFFICE	WINDOWS	Aluminum	

ROOM FINISH SCHEDULE

Room No.	Room Name	Finish	Material	Notes
121	REAR OFFICE	CEILING	Acoustic Tile	
122	REAR OFFICE	FLOOR	Polished Concrete	
123	REAR OFFICE	WALLS	Plaster	
124	REAR OFFICE	DOORS	Steel	
125	REAR OFFICE	WINDOWS	Aluminum	
126	REAR OFFICE	CEILING	Acoustic Tile	
127	REAR OFFICE	FLOOR	Polished Concrete	
128	REAR OFFICE	WALLS	Plaster	
129	REAR OFFICE	DOORS	Steel	
130	REAR OFFICE	WINDOWS	Aluminum	
131	REAR OFFICE	CEILING	Acoustic Tile	
132	REAR OFFICE	FLOOR	Polished Concrete	
133	REAR OFFICE	WALLS	Plaster	
134	REAR OFFICE	DOORS	Steel	
135	REAR OFFICE	WINDOWS	Aluminum	
136	REAR OFFICE	CEILING	Acoustic Tile	
137	REAR OFFICE	FLOOR	Polished Concrete	
138	REAR OFFICE	WALLS	Plaster	
139	REAR OFFICE	DOORS	Steel	
140	REAR OFFICE	WINDOWS	Aluminum	

DRYWALL BULKHEAD DETAIL



FIRST FLOOR PLAN

ENLARGED ENTRY PLAN

[illegible]

WEST VIRGINIA
NATIONAL GUARD ARMORY







